

SMA	CONNECTERS	2
SMB, SMC, MMCX	CONNECTERS	3
BNC	CONNECTERS	4
MHV, SHV	CONNECTERS	8
M, N	CONNECTERS	9
각종 ADAPTORS	CONNECTERS	11
F, RCA	CONNECTERS	13
CABLE ASS'Y	CONNECTERS	14
BELDEN CABLE	CONNECTERS	15
NEUTRIK	CONNECTERS	19
MS 26482 II	CONNECTERS	22
MS 26482 I	CONNECTERS	24
MS 5015	CONNECTERS	29
HBE MULTIPLE	CONNECTERS	37
BINDER	CONNECTERS	40
DIN	CONNECTERS	44
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D-SUB	CONNECTERS	46
HIROSE MC	CONNECTERS	48
HONDA	CONNECTERS	49
TAJIMI	CONNECTERS	50
NANABOSHI	CONNECTERS	57
PUSH-PULL	CONNECTERS	58
PUSH-PULL Plastic	CONNECTERS	60
CIRCULAR(원형)	CONNECTERS	62
SCC series	CONNECTERS	66
SCK, SCN series	CONNECTERS	69
SN series	CONNECTERS	75
각종 Data CABLE		83



SMA | RG-58 RG-400 RG-316 RG-178 SS-402



SMA-C-316, 58



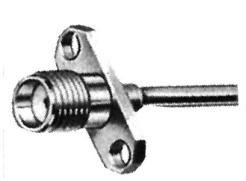
SMA-L-CRIMP



SMA-P-316



SMA-BJ-C-316



SMA-J(2HOLE)



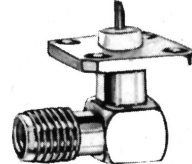
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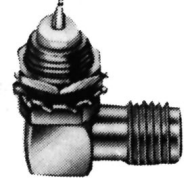
SMA-R



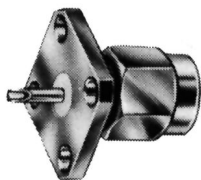
SMA-R(4H)



SMA-LR



SMA-LRB



SMA-PR



SMA-R S/T



SMA-R R/A



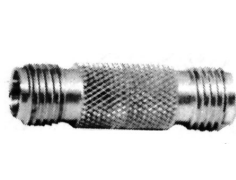
SMA-LA



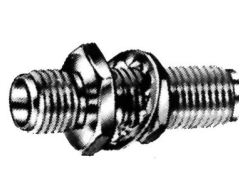
SMA-CAP



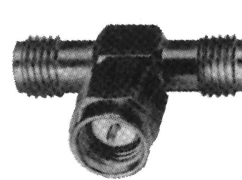
SMA-A-PP



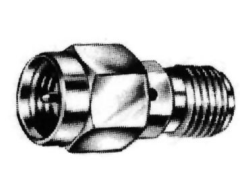
SMA-A-JJ



SMA-BA-JJ



SMA-T-JPJ



SMAP-SMAJ

COXIAL connectors



SMB



SMB-C-316



SMB-L-C-316



SMB-J-C-316



SMB-BR



SMB-4R

SMC



SMC-J-C-316



SMC-RB



SMC-L-C-316



SMB-R R/A

MCX



MCX-C-316



MCX-BJ-C-316



MCX-L-C-316



MCX-P S/T



MCX-R S/T

MMCX



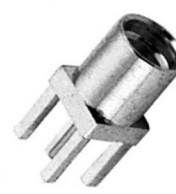
MMCX-J-C-316



MMCX-L-C-316



MMCX-P S/T



MMCX-R S/T

BNC | RG-316 RG-400 RG-58 RG-59 5C-2V RG-8



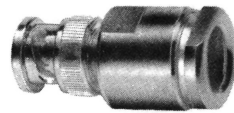
BNC-P-58,59,5C



BNC-C-58,59,5C



BNC-P-58,59,5C(K)



BNC-P-7



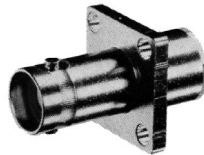
BNC-LP-58,59,5C



BNC-J-58,59



BNC-BJ-C-58



BNC-PJ-58,59



BNC-C-59(75Ω)



BNC-CAP



BNC-RB



BNC-RB 절연



BNC-R



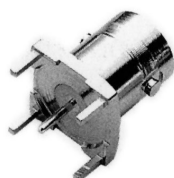
BNC-LR



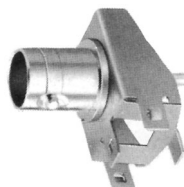
BNC-DUMMY



BNC-JR



BNC-4R



BNC-R R/A



BNC-RB R/A



BNC-RB R/A

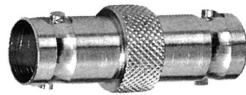
BNC connectors



BNC |



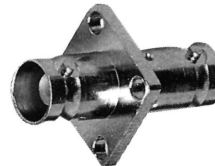
BNC-A-PP



BNC-A-JJ



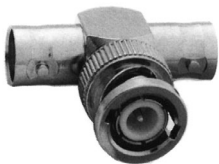
BNC-BA-JJ



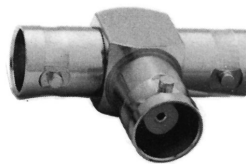
BNC-PA-JJ



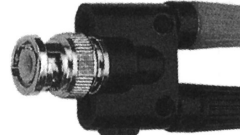
BNC-LA



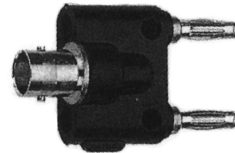
BNC-T-JPJ



BNC-T-JJJ



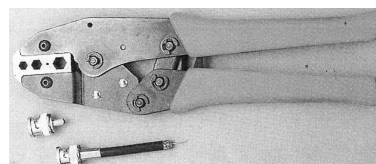
BNCP-B.J(2)



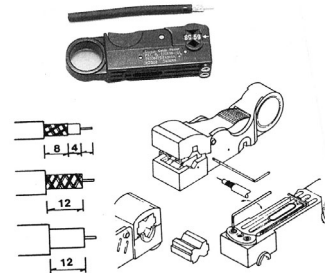
BNCJ-B.P(2)



BNC-BNC



BNC-CLIP



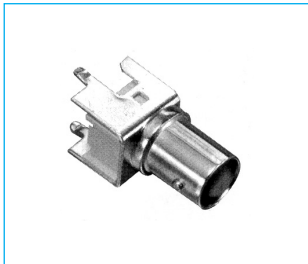
B.P-CLIP



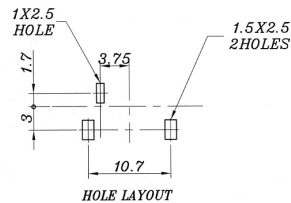
BNC-B.P

BNC Receptacle

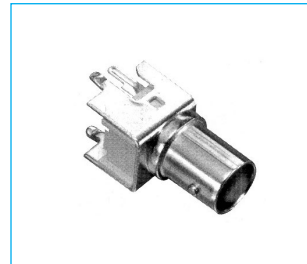
SW-2497B-PCB



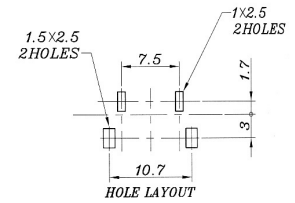
Vertical w/o Switch



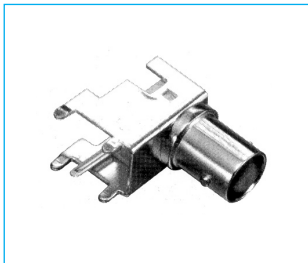
SW-2520B-PCB



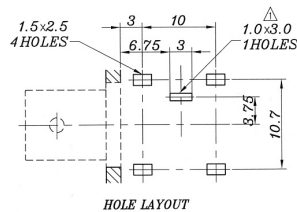
Vertical with Switch



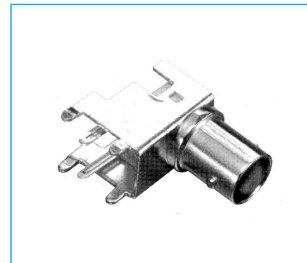
SW-2639B-LPCB



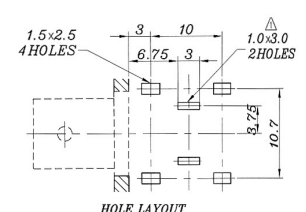
Horizontal w/o Switch



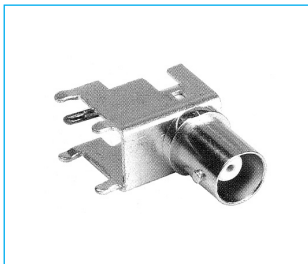
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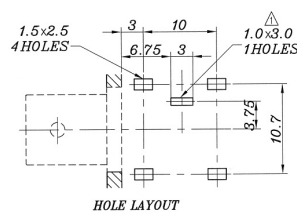
Horizontal with Switch



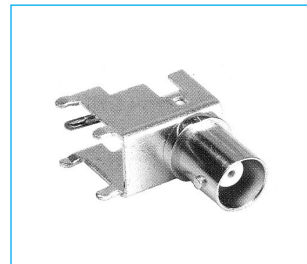
SW-2635B-LPCB



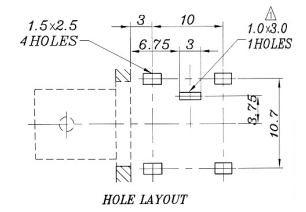
Horizontal w/o Switch(Short)



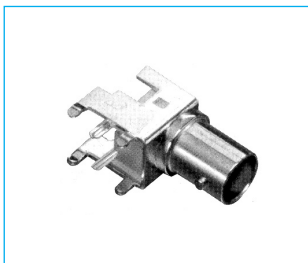
SW-2645B-LPCB



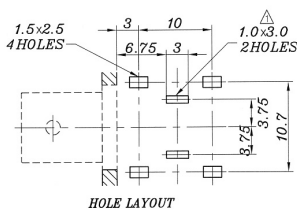
Horizontal w/o Switch(Short, Brass)



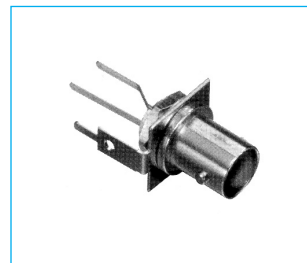
SW-2584B-LPCB



Horizontal with Switch(Short)



BNC-RB-2P



Bulkhead with Switch

BNC-PCL



Horizontal w/o Switch

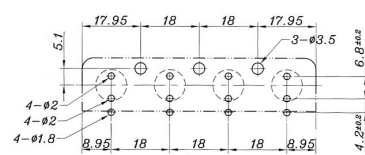
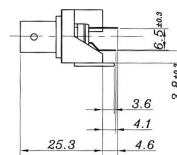
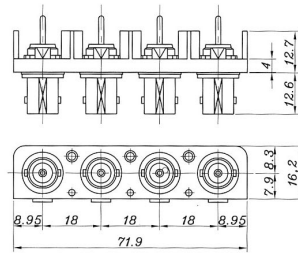


BNC Receptacle

BNC4-P/B

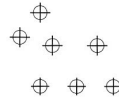
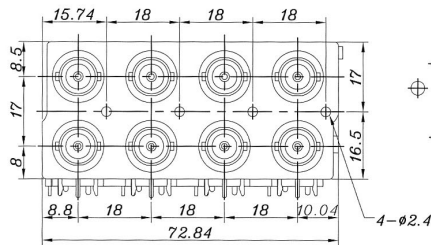
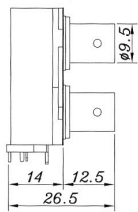


Vertical with 4 Switch



HOLE LAYOUT

BNC8-P/B



HOLE LAYOUT

Vertical with 8 Switch



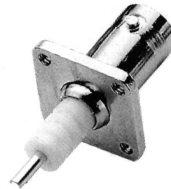
MHV |



MHV-C-59



MHV-P-59



MHV-R



MHV-RB

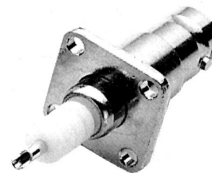
SHV |



SHV-C-59



SHV-P-59



SHV-R



SHV-RB

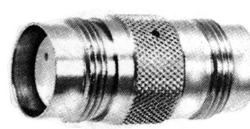
TWIN |



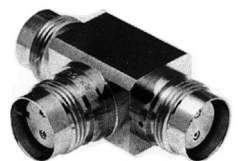
N-2P-PLUG



N-2P-RB



N-2P-A-JJ



N-2P-JJ

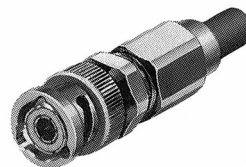
TRIAxIAL |



BNC-2P-PLUG



BNC-2P-RB



TXA-PLUG

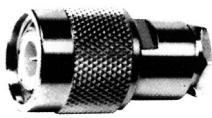


TXA-Jack

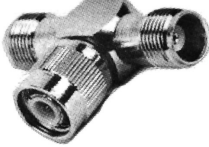
connectors



TNC | RG-316 RG-400 RG-58



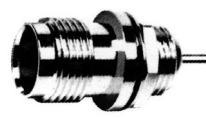
TNC-P-58



TNC-T-JPJ



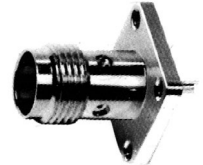
TNC-A-JJ



TNC-RB

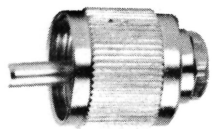


TNC-C-58

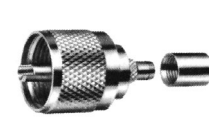


TNC-R

M TYPE |



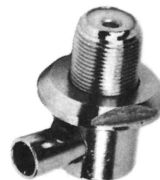
M-P-58



M-C-58



M-P-5C,8



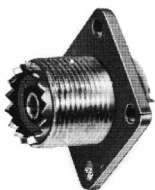
CH-239(D)



M-CAP



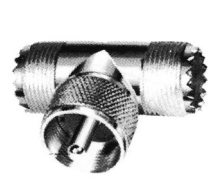
CH-239



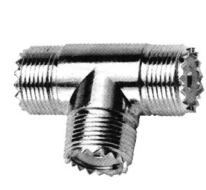
M-R(SO-239)



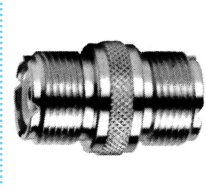
M-R(2H)



M-T-JPJ



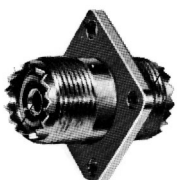
M-T-JJJ



M-A-JJ



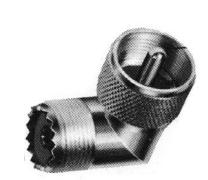
M-BA-JJ



M-PA-JJ



M-A-PP



M-LA

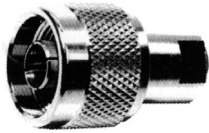


M-HOOD



UHF-MINI

N TYPE



N-P-58,59



N-P-5C,8



N-LP-58



N-C-58



N-LP-CRIMP



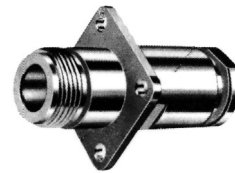
N-BJ-C-58



N-J-58



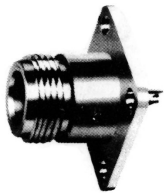
N-BJ-58



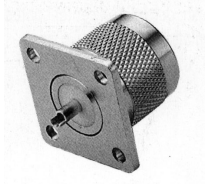
N-PJ-58



N-CAP



N-R



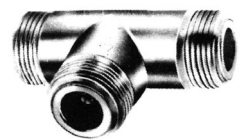
N-PR



N-LA



N-T-JPJ



N-T-JJJ



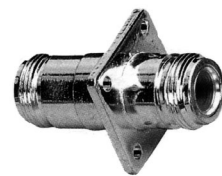
N-A-PP



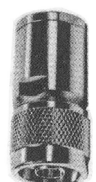
N-A-JJ



N-BA-JJ



N-PA-JJ

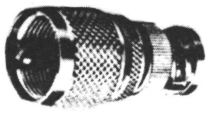


N-더미

COXIAL connectors



각종 ADAPTORS |



MP-BNCP



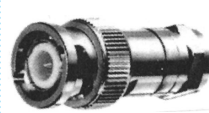
NP-BNCP



NP-SMAP



BNCP-SMAP



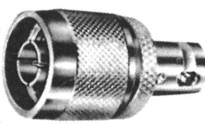
BNCP-FP



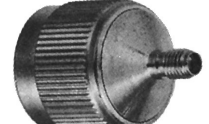
SMAP-NP



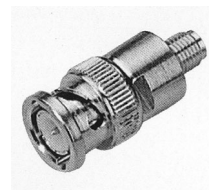
MP-BNCJ



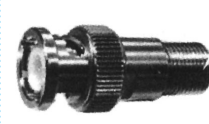
NP-BNCJ



NP-SMAJ



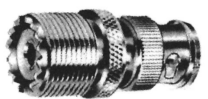
BNCP-SMAJ



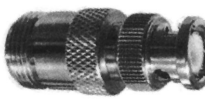
BNCP-FJ



SMAP-NJ



MJ-BNCP



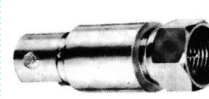
NJ-BNCP



NJ-SMAP



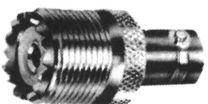
BNCJ-SMAP



BNCJ-FP



SMAJ-NP



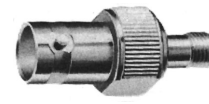
MJ-BNCJ



NJ-BNCJ



NJ-SMAJ



BNCJ-SMAJ



BNCJ-FJ



SMAJ-NPJ

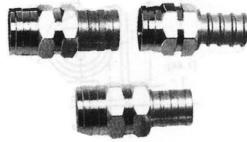
COXIAL connectors



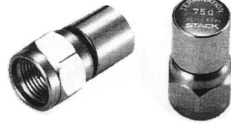
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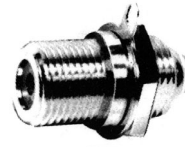
F-C-5C



F-CRIMP



F-더미

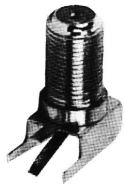


F-61

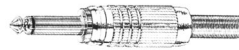


F-A-JJ

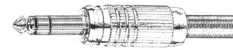
55PLUG



F-BL



55-PLUG-MONO



55-PLUG-STEREO

RCA



RCA-PLUG



RCA-PLUG



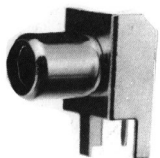
RCA-PLUG



RCA-PLUG



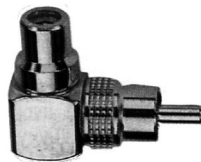
RCA-PJ



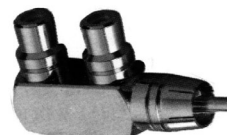
RCA-R/A-PCB



RCA-JACK(절연)



RCA-LA

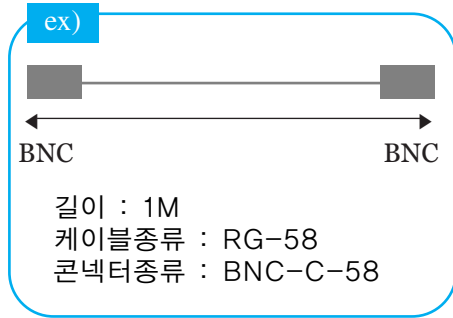


RCA-F-JJP

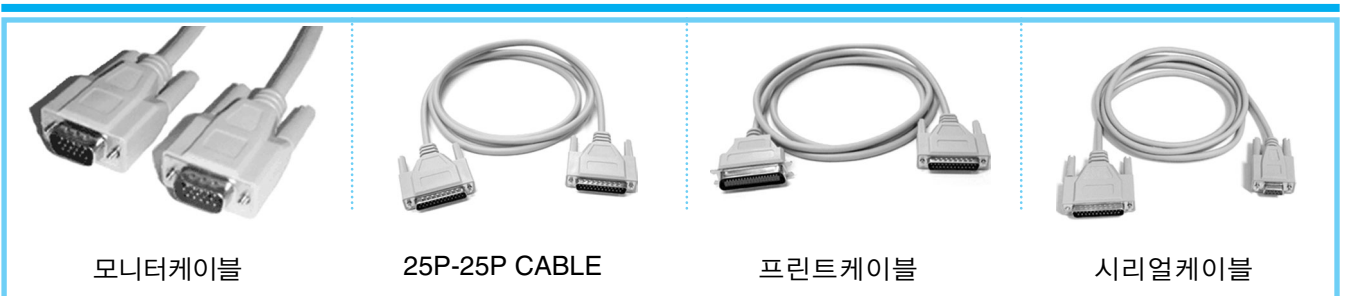
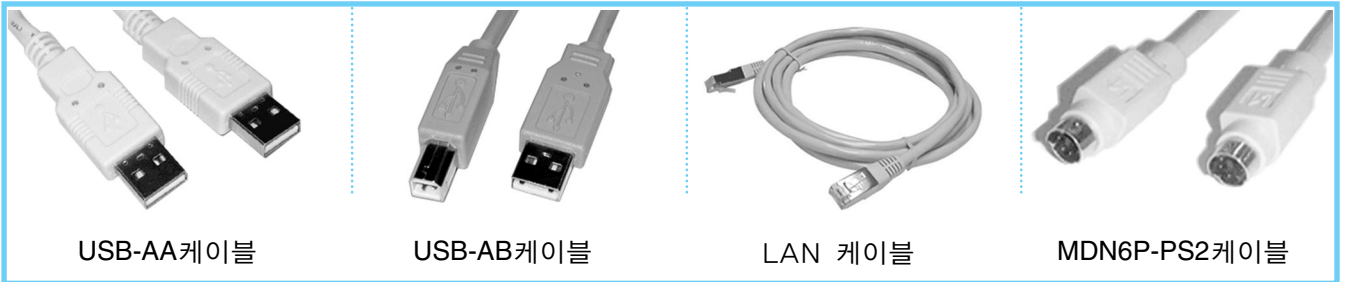
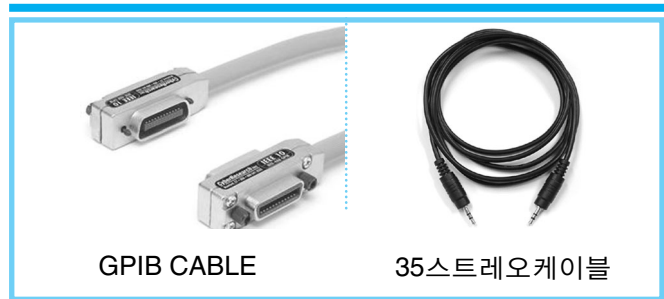
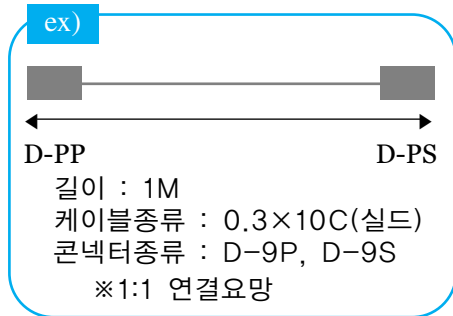


RCA PLUG

CABLE ASS'Y



“ 케이블 주문시 고객님께서
원하시는 사양을 정확히
말씀해 주셔야 합니다. ”



BELDEN CABLE



Micophone Cable

	Models	Gage/Strand	Cond	O.D	Shield	Jacket	Notes
1800F 	1800F	24/42x40	2	.211	95% French Braid	PVC	Digital
	1172A	26/30x40	4	.190	95% French Braid	PVC	-
1172F 	1192A	24/42x40	4	.245	95% Braid	PVC	-
	9397	24/105x44	2	.176	Braid	PVC	-
	1901A	24/41x40	2	.138	95% French Braid	-	-
8412 	8412	20/26x34	2	.262	85% Braid	EPDM	Low (Mic)
	8413	24/45x40	2	.199	56% Braid	EPDM	Low (Mic)

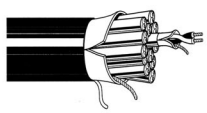
Analog&Digital Audio Cable

	Models	Gage/Strand	Cond	O.D	Jacket	Notes
	8450	22/Solid	2	.118	PVC/CM	-
	8451	22/7x30	2	.138	PVC/CM	-
9451 	9451	22/7x30	2	.135	PVC/CM	-
	9451D	22/7x30	4	.135x.270	PVC/CM	-
	1503A	22/7x30	2	.142	PVC/CM	-
9451D 	1504A	22/19x34	4	.143x300	PVC/CM	-
	1508A	24/7/32	2	.131	PVC/CM	Hi-Flex
	8760	18/16x30	2	.222	PVC/CM	-
	8761	22/7x30	2	.175	PVC/CM	-
1800B 	82761	22/7x30	2	.118	Flamarrest	Plenum
	8762	20/7x28	2	.204	PVC/CM	AES/EBU/Low
	1800B	24/7x32	2	.180	PVC/CMG	Digital
	1801B	24/7x32	2	.165	Flamarrest	Digital(plenum)
	1883A	24/7x32	2	.123	PVC/CM	2-Conduitor / Bonded
8723 	9180	26/7x34	2	.144	PVC/CMG	-
	8723	22/7x30	4	.168	PVC/CM	-
	82723	22/7x30	4	.150	Flamarrest	Plenum
	8777	22/7x30	6	.273	PVC/CM	-
	8778	22/7x30	12	.362	PVC/CM	-
	8776	22/7x30	30	.565	PVC/CM	-

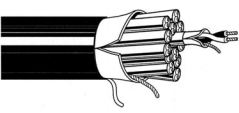
Digital Audio Cable / RS-422

	Models	Gage/Stran	Pair	O.D	Shield	Jacket	Note
	9729	24/7x32	2	.317	lindividually	PVC	Low-capacitance
	9730	24/7x32	3	.334	lindividually	PVC	
	9728	24/7x32	4	.363	lindividually	PVC	
	9731	24/7x32	6	.421	lindividually	PVC	
	9732	24/7x32	9	.488	lindividually	PVC	
	9734	24/7x32	12	.575	lindividually	PVC	
	9736	24/7x32	17	.671	lindividually	PVC	

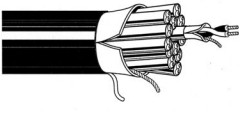
1500 Series CM Rated Analog Multipair Snake Cable

	Models	Gage/Strand	Pairs	O.D.	Shield	Jacket	Notes
	1509C	24/7x32	2	.295	Beldfoil	PVC	이동/고정 설치용
	1510C	24/7x32	4	.352	Beldfoil	PVC	
	1511C	24/7x32	6	.418	Beldfoil	PVC	
	1512C	24/7x32	8	.452	Beldfoil	PVC	
	1513C	24/7x32	12	.561	Beldfoil	PVC	
	1514C	24/7x32	16	.628	Beldfoil	PVC	
	1516C	24/7x32	24	.807	Beldfoil	PVC	
	1517C	24/7x32	26	.823	Beldfoil	PVC	
	1518C	24/7x32	32	.897	Beldfoil	PVC	
1500 Series CM Rated Analog Multipair Snake Cable 	1519C	24/7x32	54	1.117	Beldfoil	PVC	

1400 Series Riser Rated Analog Snake Cable

	Models	Gage/Strand	Pairs	O.D.	Shield	Jacket	Notes
	1408R	24/7x32	4	.346	Beldfoil	PVC	고정설치용
	1409R	24/7x32	6	.412	Beldfoil	PVC	
	1410R	24/7x32	8	.446	Beldfoil	PVC	
	1411R	24/7x32	12	.555	Beldfoil	PVC	
	1412R	24/7x32	16	.622	Beldfoil	PVC	
	1413R	24/7x32	20	.704	Beldfoil	PVC	
	1414R	24/7x32	24	.801	Beldfoil	PVC	
	1415R	24/7x32	26	.816	Beldfoil	PVC	
	1416R	24/7x32	32	.890	Beldfoil	PVC	

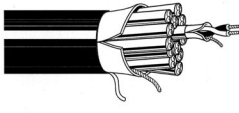
1800 Series Riser Rated 22 Gage Analog Snake Cable

	Models	Gage/Strand	Pairs	O.D.	Shield	Jacket	Notes
	1814R	22/7x30	2	.330	Beldfoil	PVC	고정설치용
	1815R	22/7x30	4	.384	Beldfoil	PVC	
	1816R	22/7x30	6	.462	Beldfoil	PVC	
	1817R	22/7x30	8	.503	Beldfoil	PVC	
	1818R	22/7x30	12	.638	Beldfoil	PVC	
	1819R	22/7x30	16	.776	Beldfoil	PVC	
	1821R	22/7x30	24	.969	Beldfoil	PVC	
	1822R	22/7x30	26	.989	Beldfoil	PVC	
	1823R	22/7x30	32	1.072	Beldfoil	PVC	

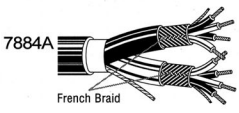
1900 Series FlexNake Super Flexible Analog Snake Cable

	Models	Gage/Strand	Pairs	O.D.	Shield	Jacket	Notes
	1902A	24/41x40	2	.330	93% French	PVC	이동설치용
	1904A	24/41x40	4	.372	93% French	PVC	
	1906A	24/41x40	6	.449	93% French	PVC	
	1908A	24/41x40	8	.482	93% French	PVC	
	1912A	24/41x40	12	.602	93% French	PVC	
	1916A	24/41x40	16	.683	93% French	PVC	
	1924A	24/41x40	24	.825	93% French Braid	PVC	
	1932A	24/41x40	32	.968	93% French	PVC	
	1802B	24/41x40	2	-	93% French	PVC	

CM Rated AES/EBU Digital Audio Snake Cable

	Models	Gage/Strand	Pairs	O.D.	Shield	Jacket	Notes
	1803F	24/7x32	4	0.485	Beldfoil	PVC	이동설치용
	1805F	24/7x32	8	0.661	Beldfoil	PVC	
	1806F	24/7x32	12	0.829	Beldfoil	PVC	
	1850F	24/7x32	16	0.944	Beldfoil	PVC	
	1852F	24/7x32	24	1.205	Beldfoil	PVC	
	1854F	24/7x32	32	1.346	Beldfoil	PVC	
	7891A	26/7x34	2	0.343	Beldfoil	PVC	
	7890A	26/7x34	4	0.399	Beldfoil	PVC	
	7880A	26/7x34	8	0.541	Beldfoil	PVC	
	7892A	26/7x34	12	0.679	Beldfoil	PVC	
	7893A	26/7x34	16	0.770	Beldfoil	PVC	

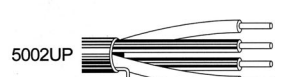
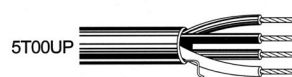
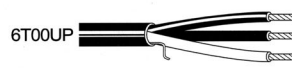
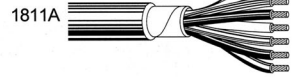
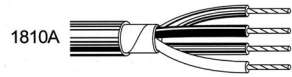
Flexible Star-Quad Microphone Snake Cable

	Models	Gage/Strand	Quads	O.D.	Shield	Notes
	7884A	26/30x40	2	.458	French	-
	7885A	26/30x40	4	.498	French	
	7886A	26/30x40	8	.782	French	
	7887A	26/30x40	12	.828	French	
	7888A	26/30x40	16	.938	French	
	7889A	26/30x40	24	1.232	French	

BELDEN CABLE



Speaker Cable



Models	Gage/Strand	Cond	O.D(mm)	Jacket	Note
1810A	14/104x34	4	9.91	PVC	Rental/studio(Bi-amp, Tri-amp)
1811A	14/104x34	8	13.08	PVC	Rental/studio(Bi-amp, Tri-amp)
6T00UP	10/65x28	2	7.82	Plenum	Woofer/난연
6000UE	12/19x25	2	6.50	Plenum	난연
6100UE	14/19x27	2	5.64	Plenum	난연
6200UE	16/19x29	2	4.57	Plenum	난연
6002UE	12/19x25	4	7.82	Plenum	난연
6102UE	14/19x27	4	6.63	Plenum	난연
6202UE	16/19x29	4	5.36	Plenum	난연
5T00UP	10/65x28	2	9.04	PVC	Woofer/CL2
5000UP	12/65x30	2	7.67	PVC	CL3
5100UP	14/42x30	2	6.60	PVC	CL3
5200UP	16/65x34	2	5.28	PVC	CM
5300UP	18/42x34	2	4.67	PVC	CM
5002UP	12/65x30	4	9.07	PVC	CL3
5102UP	14/42x30	4	7.95	PVC	CL3
5202UP	16/65x34	4	6.20	PVC	CM
5302UP	18/42x34	4	5.49	PVC	CM
8477	12/65x30	2	9.80	PVC	CL3R
8473	14/42x30	2	8.64	PVC	CL3
8471	16/19x29	2	6.96	PVC	CMG
8628	14/19x27	7	15.82	PVC	Bi-amp&Tri-amp
9721	16/19x29	8	12.60	PVC	Bi-amp&Tri-amp
8621	16/19x29	7	11.63	PVC	Bi-amp&Tri-amp
9716	16/26x30	2	2.92x5.59	PVC	Zip Type
9717	14/19x27	2	3.71x7.42	PVC	Zip Type
9718	12/65x30	2	4.70x9.40	PVC	Zip Type
1860A	12/19x25	2	6.86	PVC	open twist/난연
1861A	14/19x27	2	5.99	PVC	open twist/난연
1862A	16/19x29	2	5.13	PVC	open twist/난연

Single Channel Analog&Digital Coaxial Video Cable



Models	Gage	Strand	O.D	Shield	Jacket	Notes
1505A	RG59/20	Solid	.235	100% Beldfol	PVC/CM	Digital/Analog
1505F	RG59/22	7x29	.242	94% Braid	PVC/CM	Digital/Analog
1506A	RG59/20	Solid	.199	100% Beldfol	Flamarrest/CM	SDI/Plenum
1865A	RG59/25	19x37	.150	100% Beldfol	PVC/CMR	Analog
8241	RG59/23	Solid	.242	95% Braid	PVC/CMX	Analog
8241A	RG59/23	Solid	.242	95% Braid	PVC/CMG	Analog
8241F	RG59/22	7x30	.242	95% Braid	Hi-Flex	Analog
8281	RG59/20	Solid	.305	96% Dbl-Braid	Poly	Analog
8281B	RG59/20	Solid	.305	95% Braid	PVC/CMG	Analog
8281F	RG59/22	7x39	.305	98% Dbl-Braid	Hi-Flex	Analog
88261	RG59/20	Solid	.271	98% Dbl-Braid	Plenum	Analog
1855A	RG59/23	Solid	.159	100% Foll/Braid	PVC/CMR	SDI
1694A	RG6/18	Solid	.275	100% Foll/Braid	PVC/CMR	SDI
1695A	RG6/18	Solid	.234	100% Foll/Braid	Plenum	SDI
9116	RG6/18	Solid	.270	60% Braid	PVC/CM	CATV
9116P	RG6/18	Solid	.235	60% Foll/Braid	Flamarrest/CM	Plenum
1189A	RG6/18	Solid	.298	60-40% Braid	PVC/CM	CATV
7731A	RG11/14	Solid	.405	95% Braid	PVC/CMP	SDI
9292	RG11/14	Solid	.405	61% Braid	PVC	Analog
7700A/P	Dual 30	7x38	.214	98% French Braid	PVC/CMR	S-Video Plenum

75Ω (Triaxial Video Cable)

		Models	Gage	Strand	O.D.	Shield	Jacket	Applications	Notes
9267		1856A	RG59/20	Solid	.360	Braid/Braid	PE/Belflex	Digital/Analog	Top Performer
		1857A	RG59/22	19x34	.360	Braid/Braid	PE/Belflex	Digital/Analog	Remote/Field Use
		9267	RG59/20	7x29	.360	Braid/Braid	PE/Hypalon	Analog	Rugged Use

Multi-Channel Analog&Digital Coaxial Video Cable

		Models	Gage	Cond	O.D.	Shield	Jacket	Notes
7787A		1406B	26/7x34	3	.388	93% Beldfoil	PVC	High-Flex
		1407B	26/7x34	4	.455	93% Beldfoil	PVC	High-Flex
		1417B	26/7x34	5	.477	93% Beldfoil	PVC	High-Flex
Bundles of BL-1855A Mini Coax								
7794A		7787A	23/Solid	3	.432	Foil/Braid	PVC	SDI/RGB/VGA
		7788A	23/Solid	4	.481	Foil/Braid	PVC	SDI/RGB/VGA
		7789A	23/Solid	5	.539	Foil/Braid	PVC	SDI/RGB/VGA
		7790A	23/Solid	6	.597	Foil/Braid	PVC	SDI/RGB/VGA
		7792A	23/Solid	12	.825	Foil/Braid	PVC	SDI/RGB/VGA
Bundles of BL-1505A RG59 Coax								
7710A		7794A	20/Solid	3	.631	Foil/Braid	PVC	SDI/RGB/VGA
		7795A	20/Solid	4	.706	Foil/Braid	PVC	SDI/RGB/VGA
		7796A	20/Solid	5	.790	Foil/Braid	PVC	SDI/RGB/VGA
		7798A	20/Solid	10	1.16	Foil/Braid	PVC	SDI/RGB/VGA
Bundles of BL-1694A RGB Coax								
		7710A	18/Solid	3	.770	Foil/Braid	PVC	SDI/RGB/VGA
		7711A	18/Solid	4	.842	Foil/Braid	PVC	SDI/RGB/VGA
		7712A	18/Solid	5	.942	Foil/Braid	PVC	SDI/RGB/VGA
		7713A	18/Solid	10	1.39	Foil/Braid	PVC	SDI/RGB/VGA
Bundles of Plenum RGB Coax								
		1824A	22/7x30	3	.475	Foil/Braid	Flamarrest	RGB
		1825A	22/7x30	4	.527	Foil/Braid	Flamarrest	RGB
		1826A	22/7x30	5	.585	Foil/Braid	Flamarrest	RGB

DMX512(조명)Cable

		Models	Gage/Stran	Pair	Shield	Note
9829		9829	24/7x32	2	Braid/Overall	-
		9830	24/7x32	3	Braid/Overall	-
		9831	24/7x32	4	Braid/Overall	-
		9832	24/7x32	5	Braid/Overall	-

UTP Cable

		Models	Gage/Stran	Pair	Category	Note
1872A		7851A	23/Solid	4	Cat.6e	Pair별 bonded
		1872A	23/Solid	4	Cat.6e	Pair별 bonded
1583A		7881A	23/Solid	4	Cat.6	-
		1700A	24/Solid	4	Cat.5e	Pair별 bonded
1864A		1583A	24/Solid	4	Cat.5e	-
		1864A	24/Solid	25	Cat.5	-
		1533R	24/Solid	4	Cat.5e	STP

NEUTRIK connectors



X Series



NC3FX



NC3FXS



NC3MX-B

NC3FX • NC4FX • NC5FX • NC6FX
NC7FX • NC3FX-B • NC3FXS
NC3MX • NC4MX • NC5MX
NC6MX • NC7MX • NC3MX-B
NC5MX-B

Number of contacts : 3 - 7
Contact resistance : $\leq 3 \text{ m}\Omega$
Insulation resistance - initial : $> 2 \text{ G}\Omega$
- after damp heat test : $> 1 \text{ G}\Omega$
Dielectric strength : 1500 V dc

RC Series



NC3FRC-B



NC3MRC-B

NC3FRC • NC3FRC-B • NC3MRC • NC3MRC-B

Number of contacts : 3 - 7

Contact resistance : $\leq 3 \text{ m}\Omega$

Insulation resistance - initial : $> 2 \text{ G}\Omega$

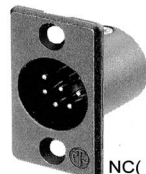
- after damp heat test : $> 1 \text{ G}\Omega$

Dielectric strength : 1500 V dc

P Series



NC3FP-1



NC()MP

NC3FP-1 • NC4FP-1 • NC5FP-1 • NC6FP-1 • NC3MP • NC4MP • NC5MP

Number of contacts : 3-7 (except MP:3-6)

Rated voltage : 250 V ac (3 - 6 pole),
125 V ac (7 pole)

Contact resistance : $\leq 5 \text{ m}\Omega$

Insulation resistance - initial : $> 2 \text{ G}\Omega$

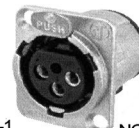
- after damp heat test : $> 1 \text{ G}\Omega$ (IEC 68-2-30)

Dielectric strength : 500 V dc

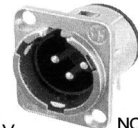
D Series



NC3FD-L-1



NC3FD-V



NC3MD-H

NC3FD-L-1 • NC3MD-L-1 • NC3FD-V • NC3FD-H • NC3MD-V • NC3MD-H

Number of contacts : 3

Rated current : 6 A

Rated voltage : 250 V ac

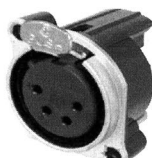
Contact resistance : $\leq 5 \text{ m}\Omega$

Insulation resistance - initial : $> 2 \text{ G}\Omega$

- after damp heat test : $> 1 \text{ G}\Omega$ (IEC 68-2-30)

Dielectric strength : 1500 V dc

B Series



NC3MBH • NC3FBH1

Number of contacts : 3

Rated current : 6 A (5-pole: 3 A)

Isolated voltage : 50 V ac

Contact resistance : $\leq 5 \text{ m}\Omega$

Insulation resistance - initial : $> 2 \text{ G}\Omega$

- after damp heat test :

$> 1 \text{ G}\Omega$ (IEC 68-2-30)

Dielectric strength : 1500 V dc

1/4" Professional Phone Plugs



NP2C



NP3C



NP2RCS



NP3RCS

NP2C • NP3C • NP2RCS • NP3RCS

Rated current : depends on mating connector

Contact resistance : depends on mating connector

Insulation resistance - initial : $> 2 \text{ G}\Omega$

- after damp heat test : $\geq 1 \text{ G}\Omega$

Dielectric strength : 2 pole : 1.5 kV dc

3 pole : 1 kV dc

Mil/B-Gauge Type Phone Plugs



NP3TB-B

NP3TB-B

Rated current : depends on mating connector

Contact resistance : depends on mating connector

Insulation resistance - initial : $> 2 \text{ G}\Omega$

- after damp heat test : $\geq 1 \text{ G}\Omega$

Dielectric strength : 1.5 kV dc

Bantam Type Miniature Plugs



NP3TT-P-B/NP3TT-P-R

Rated current : depends on mating connector

Contact resistance : depends on mating connector

Insulation resistance - initial : $> 2 \text{ G}\Omega$

- after damp heat test : $\geq 1 \text{ G}\Omega$

Dielectric strength : 1 kV dc

Locking 1/4" Cable Jacks



NJ3FC6

NJ3FC6

Contact resistance - initial : $< 6 \text{ m}\Omega$

- after life test : $< 15 \text{ m}\Omega$

Insulation resistance - initial : $> 2 \text{ G}\Omega$

- after damp heat test : $\approx 1 \text{ G}\Omega$

Dielectric strength : 1.5 kV dc

Rated current : 10 A

Locking 1/4" Chassis Jacks



NJ3FP6C

NJ3FP6C

Contact resistance - initial : $< 6 \text{ m}\Omega$

- after life test : $< 15 \text{ m}\Omega$

Insulation resistance - initial : $> 2 \text{ G}\Omega$

- after damp heat test : $\approx 1 \text{ G}\Omega$

Dielectric strength : 1.5 kV dc

Rated current : 10 A

Loudspeaker Connector Speakon



NL2FC • NL4FC • NL8FC • NL4MP • NL4MPR • NL8MPR
NL4MMX • NL8MM

current/contact : 30 A rms continuous, 40 A rms 1 min,
Dielectric strength : 4kV peak / Rated voltage : 250 V ac

Contact resistance : $\leq 3 \text{ m}$ ($= 10 \text{ m}$ for NL4MD-H), after 5000 insertion-withdrawal operations
Insulation resistance : - initial $> 2 \text{ G}\Omega$ / - after damp heat test : $> 1 \text{ G}\Omega$
Inrush/outrush current capability (12 V source) : 300/30 A/200 ms
Creepage distance : according to IEC 664-1

SPX Series



NL4FX / NL4FRX
Rated current/contact :
40 A rms continuous, 50 A audiosignal,
duty cycle 50%
Dielectric strength : 4kV peak
Rated voltage : 250 V ac
Contact resistance after lifetime : $= 2 \text{ m}$
Insulation resistance : $> 1 \text{ G}\Omega$

STX Series



NLT4MX / NLT4FP

Rated current/contact :
40 A rms continuous, 50 A audiosignal, duty cycle 50%
Dielectric strength : 4kV peak
Rated voltage : 250 V ac
Contact resistance : $< 2 \text{ m}\Omega$
Insulation resistance : $> 10 \text{ G}\Omega$

Adapters



NA3FF • NA3MM • NA3FM • NA3FJ • NA3MJ • NA2FP
NA2MP • NA2FPM • NA2FBNC • NA2MBNC • NA3FP
NA3MP • NA2MPMF • NA2FPMF • NA2MPMM

Rated current : 7.5 A
Contact resistance : $\leq 3 \text{ m}\Omega$
Insulation resistance : $> 2 \text{ G}\Omega$
Dielectric strength : 1500 V dc
Temperature range : -20°C to $+65^\circ\text{C}$

Phono Connector



NF2C-B/2
Rated current : 16A
Dielectric strength : 150V dc
Rated voltage : 250 V ac
Insulation resistance : $> 100 \text{ G}\Omega$
Capacitance : 7 PF

Goosenecks

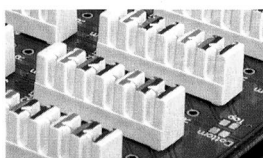


GNS36
13mm diameter,
360mm length

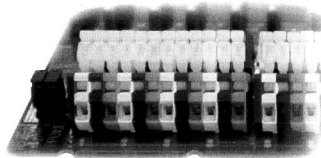
GNS18
12mm diameter,
230mm length

GNS50
15mm diameter,
500mm length

Nppa-Series



NPPA-TT-IDC



NPPA-TT-PT



NPPA-TT-FRONT

NPP-TT-HN • NPPA-TT-PT • NPPA-TT-IDC • NPPA-TT-SD50 • NPPA-TT-E56 • NPPA-TT-S

NPPA-Series : 'Easy Patch' Patch Panel, 2 x 48 TT (Bantam) jacks

NPP-TB-HN : 'Easy Patch' Patch Panel, 2 x 24 TB

NEUTRIK connectors



Cable Assemblies



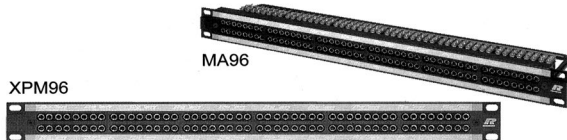
NKTT-03BL • NKTT-03RD
NKTT-05BL • NKTT-05RD
NKTT-1BL • NKTT-1RD
NKTB03() • NKTB05()
NKTB01() • ()-B,R

LF48-B B-GAUGE PATCHBAYS



- 48 HOLE B-GAUGE 패치베이
- 유럽형 BP316 과 미국형 MIL-P-642/2형의 포노 플러그 모두 사용가능
- 정밀한 니켈도금의 다이캐스트 알루미늄 외관
- 철재로 되어진 묶음 바에 의해 편리하게 작업 가능

MA96&XPM96



- 표준 BANTAM 잭 커넥터를 장착한 내구성있게 디자인된 패치베이
- 96 REAN 다이캐스트 잭 소켓 장착
- 정밀한 알루미늄 사출의 외관
- 음향, 방송, 데이터, 산업분야에 적합

Power-Con



NAC3FCA

NAC3FCA • NAC3MPA
Rated current : 20 A rms @ wire size 2,5
Rated voltage : 250 V ac
Dielectric strength : 4kv peak
Contact resistance : $\leq 3 \text{ m}\Omega$ after 5000 insertion-with drawal operations



NAC3MPA

Insulation resistance : - initial $> 2 \text{ G}\Omega$
- after damp heat test : $0,1 \text{ G}\Omega$
Creepage distance : according to IEC 664-1
Safety ground : Premating

Ethercon

NE8MC • NE8FAH • NE8FBH • NE8FDV

Advertising Material

Connect Tree

Stage Box

NSB-2A-20/4 • NSB-2B-12/4

Bantam Patch Cable

NYS- TT1FT • NYS- TT2FT • NYS- TT3FT

Plugs&Jacks



NYS 204

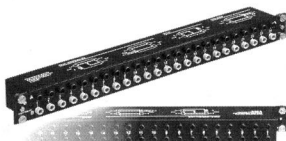
NYS 203 1/4" mono plug, plastic handle and flexional stain relif
NYS 204 1/4" Stereo plug, plastic handle, flex relief bushing
NYS 207 1/4" Right angle mono plug



NYS 352

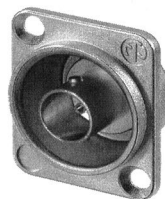
NYS 208 1/4" Right angle Stereo plug
NYS 238 1/4" jack to jack stereo
NYS 352 NYS 352AG All metal phono plug
NYS 355 Phono to phono female adapter

Patch Panel



NYS-SPP-L
1/4" modular Patch Panel
48 balanced channels in one rack space and just 1 U high.

Bulkheads



NBB75DSG
Impedance: 75Ω
Rated voltage: 500 V ac rms
Insulation resistance: $> 5 \text{ G}\Omega$
Dielectric withstanding voltage: 1500 V ac rms
VSWR / Return Loss: $< 1,03 / > 37 \text{ dB}$ up to 1 GHz
 $< 1,05 / > 32 \text{ dB}$ up to 2 GHz
 $< 1,08 / > 28 \text{ dB}$ up to 3 GHz
Inner contact resistance: $= 3 \text{ m}\Omega$ (initial)
Outer contact resistance: $= 2 \text{ m}\Omega$ (initial)

Rear Twist Cable Connector BNC75Ω



NBNC75BLP7



NBNVBLP9



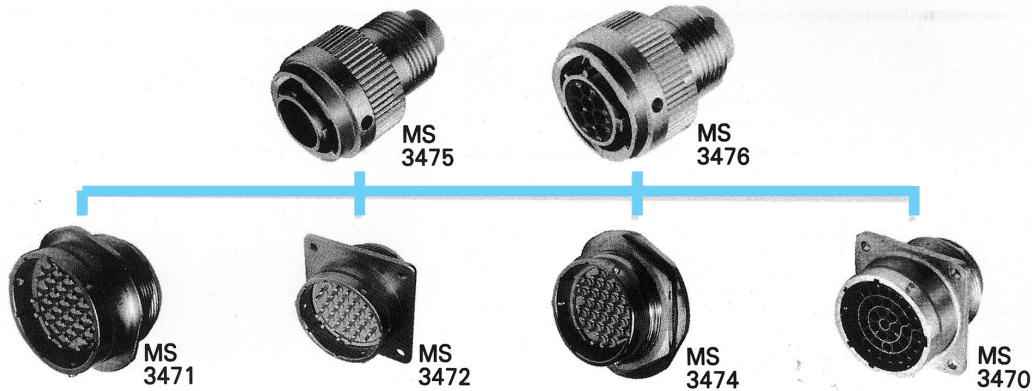
NBNC75btu11



NBNC75BXY9

NBNC75BLP7 • NBNC75BLP9 • NBNC75BTU11 • NBNC75BXY9 • NBB75DSG
Impedance: 75Ω
Rated voltage: 500 V ac rms
Insulation resistance: $> 5 \text{ G}\Omega$
Dielectric withstanding voltage: 1500 V ac rms
VSWR / Return Loss:
 $= 1,050 / > 32 \text{ dB}$ up to 1 GHz
 $= 1,065 / > 30 \text{ dB}$ up to 2 GHz
 $= 1,10 / > 26 \text{ dB}$ up to 3 GHz
Inner contact resistance: $= 3 \text{ m}\Omega$ (initial)
Outer contact resistance: $= 2 \text{ m}\Omega$ (initial)

MS SERIES (Miniature MS Connectors: MIL-C-26482 II)



Operating Temperature Range

-65°C to + 200°C (-85°F to 392°F)

Environmental Seal

Wired, mated connectors with the specified accessory attached shall meet the altitude-immersion test specified in MIL-C-26482.

Durability

Minimum of 500 mating cycles.

Shock and Vibration Requirements

When tested as follows the connector shall sustain no physical damage, or electrical discontinuity exceeding one microsecond. Pulse of an approximate half sine wave of 300g magnitude with duration of 3 microseconds applied in three axes.

Shock

Pulse of an approximate half sine wave of 300g magnitude with duration of 3 microseconds applied in three axes.

Vibration :

Sixteen hours of random vibration having a range of 50 to 2,000 Hz with a 41.7 G peak level

Series Prefix

MS-Complies with MIL-C-26482 Series II

Shell Style

Military No.	Description
MS3470	—Narrow Flange Receptacle
MS3471	—Cable Connecting Receptacle
MS3472	—Wide Range Receptacle
MS3474	—Jam Nut Receptacle
MS3475	—Straight Plug, RFI Shielded
MS3476	—Straight Plug

Class

A — Fluid resistant, 200°C, non-conductive(anodized)
L — Fluid resistant, 200°C, conductive, finish(nickel)
W — Corrosive and fluid resistant, 175°C(cadmium over nickel)

Shell Size

8, 10, 12, 14, 16, 18, 20, 22, 24

Contact Arrangements

MIL-C-26482 Series II

Contact Style

P — Pin contact A — Less pin contact*(MS only)
S — Socket contact B — Less socket contacts*(MS only)

* The "A" and "B" designators are used only when other than power contacts are to be installed(i. e. shielded, coaxial and thermocouple contacts).

Alternate Insert Positions

W, X, Y and Z.(omit for normal)

품명 구성 (Ordering Information)

MS 3470 L 18 32 P W
 SERIES PREFIX _____
 SHELL STYLE _____
 CLASS _____
 SIZE _____
 CONTACT ARRANGEMENT _____
 CONTACT TYPE _____
 ALTERNATE INSERT POSITION _____

ELECTRICAL DATA

Contact Size	Wire Size	Max. Current for Tests(amps)	Potential Drop (Millivolts at 25°C)
12	12	23	50
	14	17	45
16	16	13	50
	20	7.5	45
20	20	7.5	55
	24	3.0	45

Voltage Rating

Altitude		Mated Service Rating	
ft.	m	I	II
Sea Level	—	1500	2,300
50,000	15,240	500	750
70,000	21,336	375	500
100,000	30,480	200	200

Wire Range Accommodations

Contact Size	Solder Pot Diameter	AWG Wire Size	Conductor Cross Section Area
20	φ 1.0	24,22 and 20	0.5mm² max
16	φ 1.6	20,18 and 16	1.25mm² max
12	φ 2.4	14 and 12	3.5mm² max

MS SERIES (26482 II)



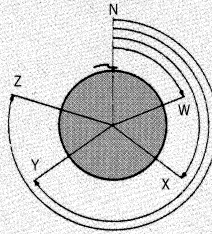
Miniature MS Connectors (MIL-C-26482, Series II) Crimping Type

■ MILITARY SPECIFICATION CROSS REFERENCE CHART

MIL-C-26482 (Series 2) Replacement for	MS Standards	Description	MIL-C-26482 (Series 2) Replacement for	MS Standards	Description
MIL-C-26482 (Series I)	M83723 Series I		NAS1599		
MS3110, MS3120	M83723/01 & 02	MS3470 Narrow Flange Receptacle	NAS1650, NAS1699	MS3470	Narrow Flange Receptacle
MS3111, MS3121	M83723/03 & 04	MS3471 Cable Connecting Receptacle	NAS1651, NAS1700	MS3472	Wide Flange Receptacle
MS3112, MS3122		MS3470 Narrow Flange Receptacle	NAS1652, NAS1701	MS3474	Jam Nut Receptacle
MS3114, MS3124	M83723/05 & 06	MS3474 Jam Nut Receptacle	NAS1653, NAS1702	MS3476	Straight Plug
MS3116, MS3126	M83723/13 & 14	MS3476 Straight Plug			
		MS3472 Wide Flange Receptacle			
	M83723/42 & 43	MS3475 Straight Plug, RFI Shielded			

■ ALTERNATE INSERT POSITIONS

INSERT POSITION



Shell Size	Contact Layouts	Contact Arrangemnts	Contact Cavities	Number of contacts			N	W	X	Y	Z	
				size 20 ø 1	size 16 ø 1.6	size 12 " ø 2.4						
8	8-33	33,98	A, B, C,	3			0	90	-	-	-	
	8-98			3		0	-	-	-	-		
10	10-6			6			0	90	-	-	-	
12	12-10	10	C, G,	10			0	60	155	270	295	
	12-3				3	0	-	-	180	-		
14	14-19	12	A,B,C,D,E,F,G, and H	19			0	30	165	315	-	
	14-15	18	A, C, E, G, J, and L	14	1		0	17	110	155	234	
	14-12	19	B, D, F, H, K, and M	18	4		0	43	90	-	-	
	14-5				5		0	40	92	184	273	
	14-4					4	0	45	-	-	-	
16	16-26	26	A,B,C,D,E,F,G,	26			0	60	-	275	338	
	16-8			8	0	54	152	180	331			
18	18-32	32	A,B,C,D,E,F,G,H,J,K,L,	32			0	85	138	222	265	
	18-11			11	0	62	119	241	340			
	18-8				8	0	180	-	-	-		
20	20-41	41	A,B,C,D,E,F,G, H,J,K,L,M,N,P,R,S, and T, U,V,W,X, and Y	41			0	45	126	225	-	
	20-39			37	2	0	63	144	252	333		
	20-16				16	0	238	318	333	347		
22	22-55	41		A,B,C,D,E,F,G,	55			0	30	142	226	314
	22-41				27	14	0	39	135	264	-	
	22-21					21	0	16	135	175	349	
	22-12					12	0	-	-	-	-	
24	24-61	61		61			0	90	180	270	324	
	24-31				31	0	90	225	255	-		
	24-19					19	0	30	165	315	-	

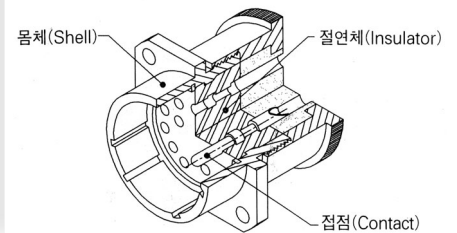
MS SERIES(Miniature MS Connectors:MIL-C-26482 I)



➔ **Mating Guide**



- Sectioned View Connectors("E" Class)



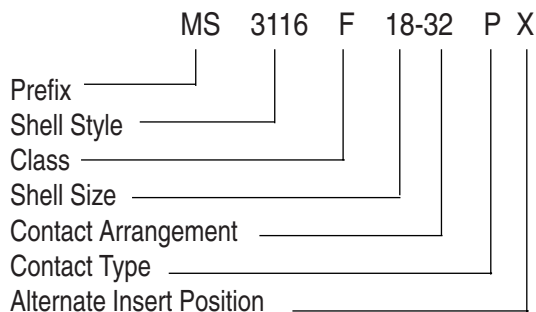
➡ 개요 (Summary)

Miniature MS Connector는 **소형**으로서 전기적 · 기계적 및 환경적 특성이 우수하여 주로 군용통신장비에 널리 쓰이고 있으며, 5개소의 안내 키(Guide Key)가 있어 확실하고 안정된 결합이 이루어지는 Connector입니다.

➔ 용도 (Application)

통신장비, 수송차량, 의료기기 및 계측기기, 일반 산업기계 및 기기, 기타 각종 전기·전자기기

➡ **품명구성 (Ordering Information)**



- Voltage Rating

Altitude		Mated Service Rating	
ft.	m	I	II
Sea Level	—	1500	2,300
50,000	15,240	500	750
70,000	21,336	375	500
100,000	30,480	200	200

* Note : When the voltage as indicated above is applied between shell and closest contact to the shell or between the two closest contacts for a period of 5 seconds, there shall be no evidence of flashover or breakdown.

- **Contact Current Rating and Retention**

Contact Size*	DC Test Amperage	Contact Retention	
		Axial Load	
		lb	N
20	7.5	15	66.7
16	13.0	25	111.2
12	23.0	30	133.4

- **Wire Range Accommodations**

Contact Size	Solder pot diameter	AWG Wire Size	Conductor Cross Section area
20	φ 1.0	24, 22, 20	0.5mm ² max.
16	φ 1.6	20, 18, 16	1.25mm ² max.
12	φ 2.4	14, 12	3.5mm ² max.

- **Standard Materials and Finishes**

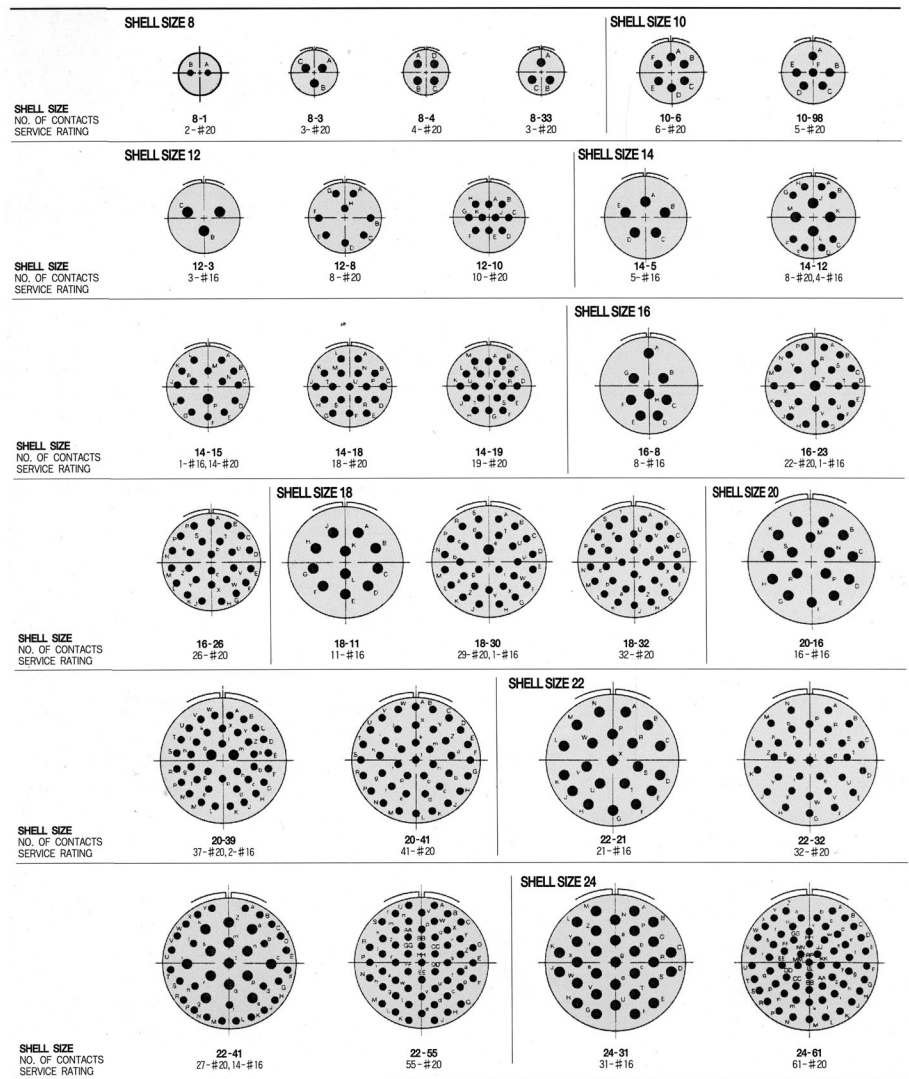
Shell	aluminum alloy, conductive olive drab chromate over cadmium or Zinc finish
Insulator	polychloroprene rubber
Grommet and Seal	polychloroprene rubber
Contacts	Copper alloy, gold plate per MIL-G-45204 type II

MS SERIES (26482 I)



NO. OF CONTACTS	Contact size	Shell Size ARR. NO.	Servi Ratir
2	#20	8-2	I
3	#20	8-3	
	#16	8-33	
4	#20	12-3	II
5	#16	8-4	
6	#20	14-5	I
8	#20	10-6	
	#16	10-98	II
10	#20	12-8	
	#16	16-8	I
11	#20	12-10	
	#16	18-11	II
12	#20	14-12	
	#12	22-12	I
15	#20	14-15	
	#16	20-16	II
18	#20	14-18	
	#16	14-19	I
21	#20	14-19	
	#16	22-21	II
23	#20	16-23	
	#16	16-99	I
24	#20	20-24	
	#16	20-26	II
27	#20	20-27	
	#16	18-30	I
31	#20	18-30	
	#16	24-31	II
32	#20	18-32	
	#16	22-32	I
34	#20	22-34	
	#16	20-39	II
39	#20	20-39	
	#16	20-41	I
41	#20	20-41	
	#16	22-41	II
55	#20	22-55	
	#16	24-61	I
61	#20	24-61	

접속배열표 (Contact Arrangements)



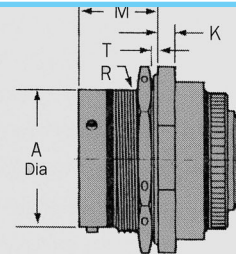
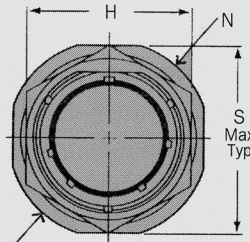
MS SERIES(26482 I)



JAM NUT RECEPTACLES

MS 3114

MS service class
E, F, P



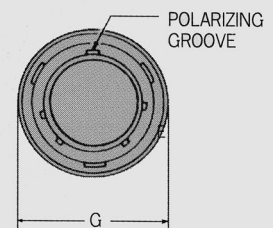
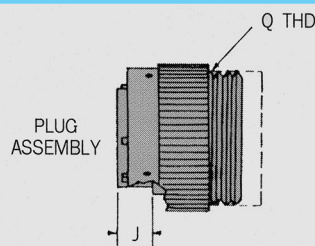
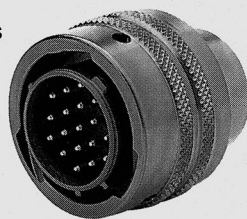
Shell Size	A ±0.08	H ±0.43	K ±.05	M ±.08 -.00	N Max.	S Max.	T Panel Thickness		R Thread Class 2A
							Min	Max.	
8	11.96	19.05	2.97	17.55	27.38	24.23	1.57	3.17	9/16-24UNEF
10	14.93	22.22	2.97	17.55	30.56	27.38	1.57	3.17	11/16-24UNEF
12	19.00	26.97	2.97	17.55	35.33	32.16	1.57	3.17	7/8-20UNEF
14	22.17	30.17	2.97	17.55	38.51	35.33	1.57	3.17	1-20UNEF
16	25.35	33.32	2.97	17.55	41.68	38.51	1.57	3.17	1 1/8-18UNEF
18	28.52	36.25	2.97	17.55	44.86	41.68	1.57	3.17	1 1/4-18UNEF
20	31.70	39.67	3.76	22.33	49.63	46.43	1.57	6.35	1 3/8-18UNEF
22	34.87	42.87	3.76	22.33	52.78	49.63	1.57	6.35	1 1/2-18UNEF
24	38.05	46.02	3.76	23.16	55.96	52.73	1.57	6.35	1 5/8-18UNEF

(mm)

STRAIGHT PLUGS

MS 3116

MS service class
E, F, J, P



Shell Size	G Max	J (±0.25)	R Thread Class 2A
8	19.86	8.99	7/16-28UNEF
10	23.52	8.99	9/16-24UNEF
12	26.49	8.99	11/16-24UNEF
14	30.05	8.99	13/16-20UNEF
16	33.15	8.99	15/16-20UNEF
18	35.33	8.99	1 1/16-18UNEF
20	38.89	10.54	1 3/16-18UNEF
22	42.06	10.54	1 5/16-18UNEF
24	45.14	10.54	1 7/16-18UNEF

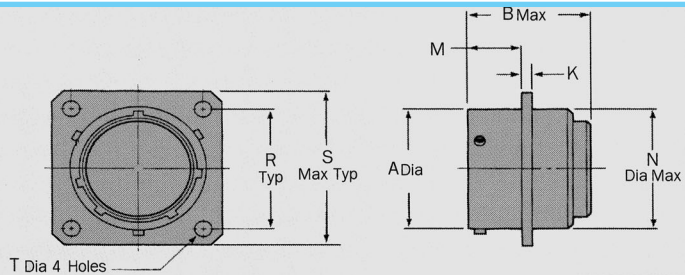
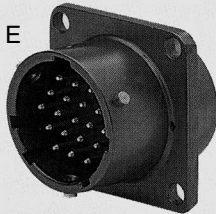
(mm)

MS SERIES (26482 I)

BOX MOUNTING RECEPTACLES

MS 3112

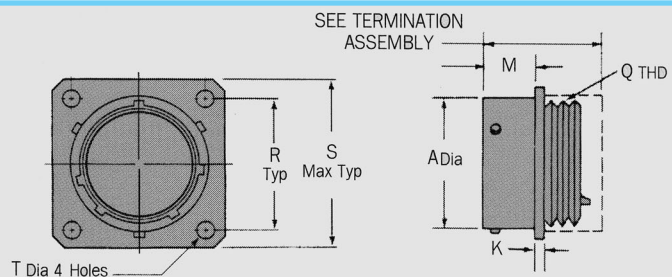
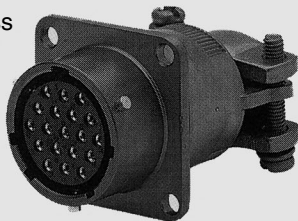
MS service class E



WALL MOUNTING RECEPTACLES

MS 3110

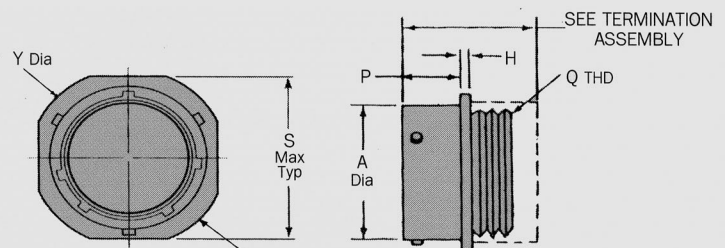
MS service class E, F, J, P



CABLE CONNECTING PLUGS

MS 3111

MS service class E, F, J, P



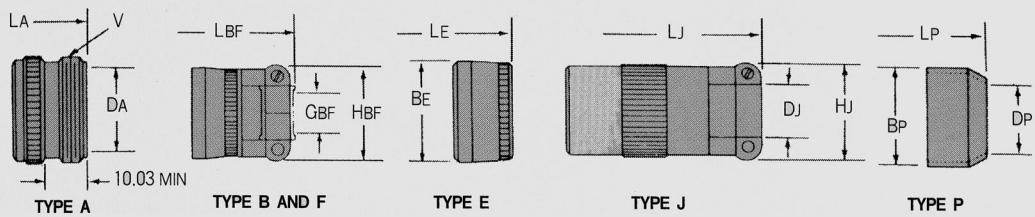
Shell Size	A (±.08)	B Max.	H ±.41	K ±.41	M +.79 -.00	N Dia Max.	P +.79 -.00	R	S Max.	T ±.005	Y Max.	Q Thread Class 2A
8	11.96	12.14	2.39	1.57	10.95	11.91	10.16	15.09	21.03	3.05	24.33	7/16-28UNEF
10	14.96	12.14	2.39	1.57	10.95	15.06	10.16	18.26	24.23	3.05	27.48	9/16-24UNEF
12	19.00	12.14	2.39	1.57	10.95	18.26	10.16	20.62	26.59	3.05	29.87	11/16-24UNEF
14	22.17	12.14	2.39	1.57	10.95	21.41	10.16	23.01	28.98	3.05	32.26	13/16-20UNEF
16	25.35	12.14	2.39	1.57	10.95	24.61	10.16	24.61	31.34	3.05	34.65	15/16-20UNEF
18	28.52	12.14	2.39	1.57	10.95	27.76	10.16	26.97	33.73	3.05	37.03	1 1/16-18UNEF
20	31.70	30.38	2.92	2.39	14.12	30.96	13.59	29.36	36.91	3.05	40.18	1 3/16-18UNEF
22	34.87	30.38	2.92	2.39	14.12	34.11	13.59	31.75	40.08	3.05	43.38	1 5/16-18UNEF
24	38.05	30.38	2.92	2.39	14.96	37.31	14.46	34.92	43.26	3.73	46.53	1 7/16-18UNEF

MS SERIES(26482 I)



COMPONENTS/ACCESSORIES

TERMINATION ASSEMBLIES (Application:only MS3110, MS3111, MS3116 Type)



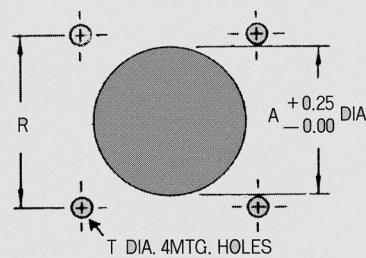
Shell Size	TYPE A			TYPE B and F			TYPE E		TYPE J			TYPE P		
	LA Max.	DA Min.	V Thread Class 2A	LBF Max.	HBF Max.	GBF Min.	BE Max.	LE Max.	LJ Max.	HJ Max.	DJ Max./Min.	LP Max.	DP Min.	BP Max.
8	36.58	8.51	1/2 - 28UNEF	48.41	21.03	2.02	15.44	33.73	57.68	21.03	5.84/4.27	38.10	8.05	15.44
10	36.58	11.84	5/8 - 24UNEF	48.41	22.63	4.52	18.64	33.73	57.68	22.63	7.92/5.21	38.10	11.02	16.64
12	36.58	15.01	3/4 - 20UNEF	48.41	25.81	7.67	21.79	33.73	61.24	25.81	11.23/8.59	38.10	13.92	21.79
14	36.58	19.05	7/8 - 20UNEF	48.41	28.98	9.27	24.99	33.73	66.01	28.98	13.56/10.57	38.10	17.09	24.99
16	36.58	21.08	1 - 20UNEF	51.99	30.56	12.45	28.19	33.73	74.75	30.56	15.65/13.97	38.10	20.27	28.19
18	42.21	26.49	1 1/8 - 18UNEF	57.15	37.31	15.62	31.34	33.73	80.57	37.31	17.07/15.24	38.10	22.83	31.34
20	42.21	26.49	1 3/8 - 18UNEF	57.15	37.31	15.62	34.54	36.91	91.69	37.31	18.97/16.13	40.87	26.01	34.54
22	42.21	30.43	1 7/8 - 18UNEF	57.15	42.06	18.80	37.69	36.91	95.55	42.06	21.49/17.02	40.87	29.18	37.69
24	42.47	32.84	1 7/8 - 18UNEF	58.72	44.45	20.07	40.89	38.54	101.22	44.45	22.71/18.80	42.85	32.36	40.89

(mm)

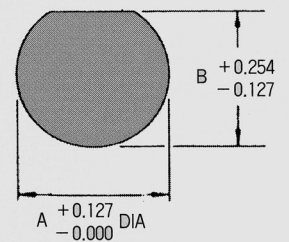
MOUNTING DATA

PANEL CUTOUTS
BOX AND WALL
MOUNTING
RECEPTACLE

**MS 3110, 3112,
3119 TYPE**



PANEL CUTOUTS
JAM NUT
RECEPTACLE
MS 3114 TYPE



Shell Size	FLANGE(FRONT MOUNTING)		MOUNTING HOLE DIA. T ± .005	Shell Size	A	B
	A	R				
8	15.70	15.09	3.17	8	14.68	13.72
10	18.67	18.26	3.17	10	17.86	16.89
12	21.82	20.62	3.17	12	22.61	21.03
14	25.02	23.01	3.17	14	25.78	24.18
16	28.27	24.61	3.17	16	28.96	27.33
18	31.37	26.97	3.17	18	32.13	30.51
20	34.57	29.36	3.17	20	35.31	33.68
22	37.72	31.75	3.17	22	38.48	36.86
24	40.92	34.92	3.94	24	41.66	40.03

Standard MS Connectors (MIL-C-5015)

결합안내(Mating Guide)



개요 (Summary)

Standard MS connector는 항공기용의 전기, 전자기기의 접속용으로 개발되었으나, 최근에 이르러서는 일반 산업 분야에도 적용되어 높은 성능과 다양한 품종, 그리고 저렴한 가격으로 가장 일반적인 용도에 사용되고 있습니다.

용도 (Application)

통신장비, 수송차량, 선박, 철도, 항공기 관련장비, 산업기기 및 기계, 공작기계, 계측기기, 의료기기, 컴퓨터등 기타 각종전기, 전자 기기

일반사양(Specification) (MIL-C-5015규격)

● Contact Current Capacity

The rated current of a connector will change depending on the number of contact composing the connector and also the contact size. The table below shows the maximum permissible value per contact when assembled in an insulator

Contact size	Diameter of the contacting part of pin contact	Current Capacity (Amps)	
		Contact unit	Assembled in insulator
# 16	.063 inch(1.6mm)	22	13
# 12	.094 inch(2.4mm)	41	23
# 8	.142 inch(3.6mm)	73	46
# 4	.224 inch(5.7mm)	135	80
# 0	.358 inch(9.1mm)	245	150

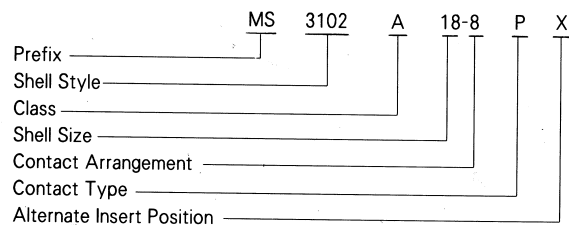
● Voltage Rating

Classification Code	Test Voltage (RMS)	Operating Voltage		Air Spacing Nominal	Creepage Distance Nominal
		D. C	A. C (RMS)		
INST	1000	250	200	—	.063inch (1.6mm)
A	2000	700	500	.063inch (1.6mm)	.126inch (3.2mm)
D	2800	1250	900	.126inch (3.2mm)	.189inch (4.8mm)
E	3500	1750	1250	.189inch (4.8mm)	.252inch (6.4mm)
B	4500	2450	1750	.252inch (6.4mm)	.311inch (7.9mm)
C	7000	4200	3000	.311inch (7.9mm)	1.0 inch (25.4mm)

● Compatible Wire Size

Contact		Applicable Wire Size	
Size	Solder pot diameter	Wire size (AWG)	Conductor cross-section area
# 16	.073 inch (1.85mm)	# 16 ~ # 22	1.25mm ² max.
# 12	.116 inch (2.95mm)	# 12 ~ # 14	3.5mm ² max.
# 8	.209 inch (5.31mm)	# 8 ~ # 10	8mm ² max.
# 4	.333 inch (8.45mm)	# 4 ~ # 6	22mm ² max.
# 0	.469 inch (11.91mm)	# 0 ~ # 2	50mm ² max.

품명구성 (Ordering Information)



● Prefix

MS—Military standard의 略字이며 적용규격은 MIL-C-5015임

● Shell Style

3100—Wall mounting receptacle
3101—Cable connecting plug
3102—Box mounting receptacle
3106—Straight plug
3108—90° angle plug

● Class

MS Class	Application
A	General purpose—Solid endbell
B	" —Split endbell
C	Pressurized—Receptacle
E	Environment Resistant
K	Fire & Flame Resistant
R	Environment Resistant

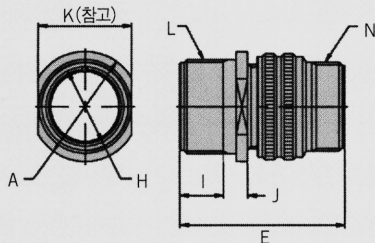
● Material & Finish

- * Shell—high Grade Aluminum alloy Die-Castings, olive drab chromate over cadmium or Zinc plating.
- * Insulator—Bulk molding Compound(polyester) & polychloropren rubber("A" class only)
- * Contacts—High conductive copper alloy or Brass, 100μ Inches Silver plating
- * Contact Retention clip—Heat treated beryllium copper

RECEPTACLES Standard MS Connectors (MIL-C-5015)

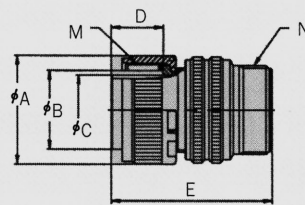
MS3101

Cable Connecting Plug



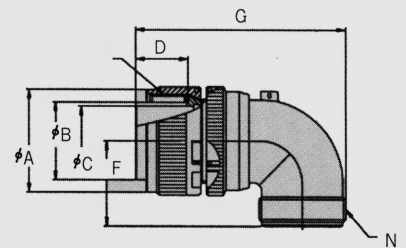
MS3106

Staright Plug



MS3108

90° Angle Plug



Shell Size	φ A Max	φ B +0.00 -0.25 (외경)	φ C +0.38 -0.00 (내경)	D ±0.12	E Max	F Max	G Max	φ H +0.38 -0.00 (내경)	I Min	J Max	K Max	L(-2A), M(-2B) Thread	N Thread-2A
8S	21.43	9.27	6.41	13.49	37.31	23.82	44.45	9.40	9.53	1.57	13.46	1/2-28UNEF	1/2-28UNEF
10S	24.61	11.18	8.21	13.49	38.88	25.40	44.45	11.38	9.53	2.06	16.66	5/8-24UNEF	1/2-28UNEF
10SL	24.61	11.33	10.06	13.49	38.88	25.40	46.02	11.38	9.53	1.57	16.66	5/8-24UNEF	5/8-24UNEF
12S	26.97	14.10	11.43	13.49	42.87	26.97	50.80	14.15	9.53	1.57	19.43	3/4-20UNEF	5/8-24UNEF
12	26.97	14.10	11.43	18.26	52.37	26.97	57.15	14.15	15.88	1.98	19.43	3/4-20UNEF	5/8-24UNEF
14S	29.36	17.15	13.37	13.49	42.87	28.57	53.97	17.33	9.53	1.83	22.60	7/8-20UNEF	3/4-20UNEF
14	29.36	17.15	13.37	18.26	52.37	28.57	58.72	17.33	15.88	1.98	22.60	7/8-20UNEF	3/4-20UNEF
16S	31.75	20.45	16.54	13.49	42.87	30.17	60.32	20.50	9.53	1.83	25.78	1-20UNEF	7/8-20UNEF
16	31.75	20.45	16.54	18.26	52.37	30.17	65.07	20.50	15.88	1.98	25.78	1-20UNEF	7/8-20UNEF
18	34.13	23.62	19.72	18.26	52.37	33.32	68.27	23.68	15.88	2.77	28.95	1 1/8-18UNEF	1-20UNEF
20	37.31	26.67	23.68	18.26	55.57	34.92	76.98	26.88	15.88	2.77	32.13	1 1/4-18UNEF	1 3/16-18UNEF
22	40.48	29.85	26.07	18.26	55.57	34.92	76.98	30.03	15.88	2.97	35.30	1 3/8-18UNEF	1 3/16-18UNEF
24	43.66	33.02	29.24	18.26	58.72	39.67	86.51	33.20	15.88	2.97	38.48	1 1/2-18UNEF	1 7/16-18UNEF
28	50.01	38.61	34.80	18.26	58.72	39.67	86.51	38.77	15.88	2.97	44.83	1 3/4-18UNS	1 7/16-18UNEF
32	56.36	44.96	41.15	18.26	61.92	47.62	95.25	45.12	15.88	2.97	51.18	2-18UNS	1 3/4-18UNS
36	62.71	50.29	46.69	18.26	61.92	52.37	100.02	50.68	15.88	2.97	57.65	2 1/4-16UN	2-18UNS
40	69.06	56.64	52.25	18.26	61.92	53.97	120.65	57.03	15.88	-	-	2 1/2-16UN	2 1/4-16UN
44	75.41	63.12	58.67	18.26	65.07	57.15	120.65	63.38	15.88	-	-	2 3/4-16UN	2 1/2-16UN
48	81.76	69.47	65.02	18.26	65.07	60.33	127.79	69.73	15.88	-	-	3-16UN	3-16UN

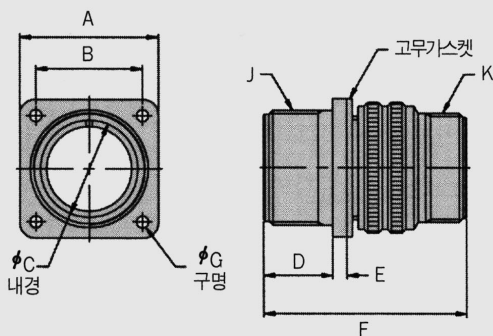
MS SERIES(MIL-C-5015)



⇒ PLUGS Standard MS Connectors (MIL-C-5015)

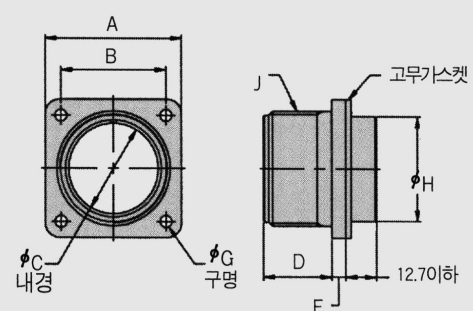
MS3100

Wall Mounting receptacle



MS3102

Wall Mounting receptacle



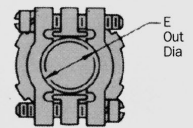
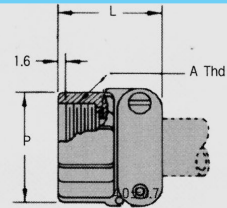
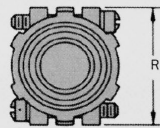
Shell Size	A ±0.79	B ±0.12	φC +0.38 -0.00	D +0.79 -0.00	E Max/Min	F Max	φG +0.25 -0.12	φH +0.00 -4.77	J Thread-2A	K Thread-2A
8S	22.23	15.09	9.40	14.28	3.96/1.58	37.31	3.05	13.51	1/2-28UNEF	1/2-28UNEF
10S	25.40	18.26	11.38	14.28	3.96/1.58	38.88	3.05	16.60	5/8-24UNEF	1/2-28UNEF
10SL	25.40	18.26	11.38	14.28	3.96/1.58	38.88	3.05	19.35	5/8-24UNEF	5/8-24UNEF
12S	27.79	20.62	14.15	14.28	3.96/1.58	42.87	3.05	19.35	3/4-20UNEF	5/8-24UNEF
12	27.79	20.62	14.15	19.05	3.96/1.58	52.37	3.05	19.35	3/4-20UNEF	5/8-24UNEF
14S	30.18	23.01	17.33	14.28	3.96/1.58	42.87	3.05	23.01	7/8-20UNEF	3/4-20UNEF
14	30.18	23.01	17.33	19.05	3.96/1.58	52.37	3.05	23.01	7/8-20UNEF	3/4-20UNEF
16S	32.54	24.61	20.50	14.28	3.96/1.58	42.87	3.05	26.21	1-20UNEF	7/8-20UNEF
16	32.54	24.61	20.50	19.05	3.96/1.58	52.37	3.05	26.21	1-20UNEF	7/8-20UNEF
18	34.93	26.97	23.68	19.05	5.15/2.39	52.37	3.05	29.36	1 1/8-18UNEF	1-20UNEF
20	38.10	29.36	26.88	19.05	5.15/2.39	55.57	3.05	32.56	1 1/4-18UNEF	1 3/16-18UNEF
22	41.28	31.75	30.03	19.05	5.15/2.39	55.57	3.05	35.71	1 3/8-18UNEF	1 3/16-18UNEF
24	44.45	34.93	33.20	20.63	5.15/2.39	58.72	3.73	38.91	1 1/2-18UNEF	1 7/16-18UNEF
28	50.80	39.67	38.77	20.63	5.15/2.39	58.72	3.73	45.26	1 3/4-18UNS	1 7/16-18UNEF
32	57.15	44.45	45.12	22.23	9.11/3.18	61.92	4.39	51.61	2-18UNS	1 3/4-18UNS
36	63.50	49.23	50.68	22.23	9.11/3.18	61.92	4.39	57.96	2 1/4-16UN	2-18UNS
40	69.85	55.58	57.03	22.23	9.11/3.18	61.92	4.39	64.31	2 1/2-16UN	2 1/4-16UN
44	76.20	60.33	63.38	22.23	9.11/3.18	65.07	4.39	70.66	2 3/4-16UN	2 1/2-16UN
48	82.55	66.68	69.73	22.23	9.11/3.18	65.07	4.39	77.01	3-16UN	3-16UN

MS SERIES(MIL-C-5015)

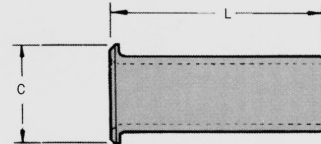
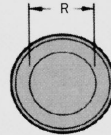


ACCESSORIES Standard MS Connectors (MIL-C-5015)

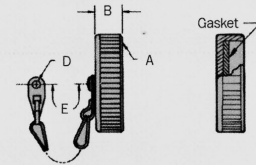
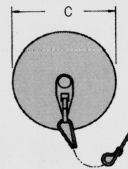
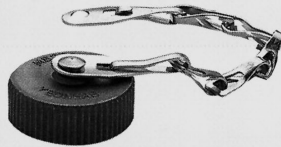
**MS3057
Cable
Clamp**



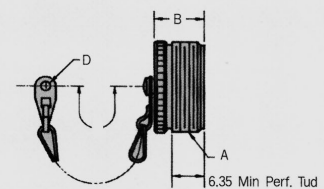
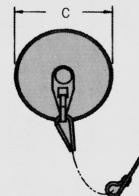
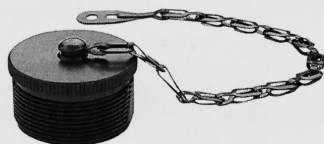
**MS3420
RUBBER
BUSHING**



MS25043



MS25042



HOW TO ORDER

→ Part Number

Superseded Part Number *	Fits Shell Size	E Min	E Max	L ±0.79	P ±0.79	R ±0.79	A Thread
MS3057-3A	8S-10S	2.59	6.35	20.62	17.48	20.62	1/2-28UNEF-2B
MS3057-4A	10SL, 12S, 12	3.56	7.92	20.62	20.62	22.22	5/8-24UNEF-2B
MS3057-6A	14S, 14	4.95	11.13	22.22	24.61	26.97	3/4-20UNEF-2B
MS3057-8A	16S, 16	6.48	14.27	23.83	27.79	29.36	7/8-18UNEF-2B
MS3057-10A	18	7.24	15.88	23.83	30.18	31.75	1-20UNEF-2B
MS3057-12A	20, 22	8.89	19.05	23.83	34.92	37.31	1 3/16-18UNEF-2B
MS3057-16A	24, 28	11.89	23.83	26.19	42.06	42.88	1 7/16-18UNEF-2B
MS3057-20A	32	16.87	31.75	27.79	51.59	51.59	1 3/4-18UNS-2B
MS3057-24A	36	17.63	34.92	29.36	56.36	57.94	2-18UNS-2B
MS3057-28A	40	23.14	41.28	42.88	63.50	68.28	2 1/4-16UN-2B
MS3057-32A	44	-	47.62	44.45	70.64	74.63	2 1/2-16UN-2B
MS3057-40A	48	-	60.32	44.45	83.34	88.90	3-16UN-2B

FLEXIBLE Adaptor



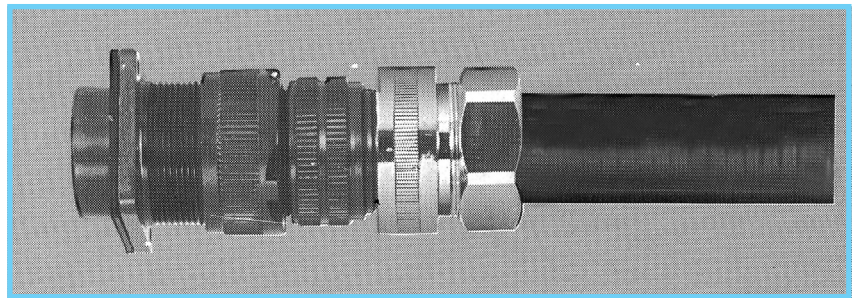
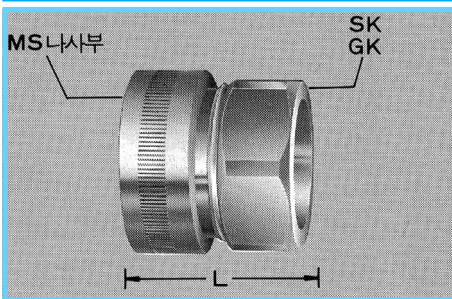
MS SK, MS-GK |

특 징

MS 콘넥터와 기존 콘넥터를 연결하고자 할 때 당사의 MS-SK콘넥터를 사용하지 않아도 본 콘넥터로 연결이 가능하며 MS콘넥터와 일반 콘넥터와의 연결공간이 있어 보수작업시 작업(접점 부위의 용접·단선 등)이 편리한 것이 특징. 케논 프러그 아답터는 한쪽은 MS콘넥터의 나사부와 같은 나사가 나있고 다른 한쪽은 PF 나사로 가공이 되어 있음.

MSA 14 - 16 — 당사의 콘넥터 규격(튜브규격)
MS 콘넥터 규격

재 질 : 황 동



호칭	구분	MS규격	호 칭	L	A	비 고
					MS콘넥터나사	
MS-SK 10-12		10	12	30	1/2. 28UNEF	
MS-SK 12-12		12	12	30	5/8. 24NEF	
MS-SK 14-12		14	12	32	3/4. 20UNEF	
MS-SK 14-16		14	16	32		
MS-SK 16-16		16	16	32	7/8. 20UNEF	
MS-SK 16-22		16	22	32		
MS-SK 18-16		18	16	32	1. 20UNEF	
MS-SK 18-22		18	22	32		
MS-SK 22-12		20	12	33		
MS-SK 22-16		20	16	33	1 3/16. 18UNEF	
MS-SK 22-22		22	22	33		
MS-SK 22-28		22	28	33		
MS-SK 24-22		24	22	34	1 7/16. 18UNEF	
MS-SK 24-28		24	28	34		
MS-SK 24-36		28	36	34		
MS-SK 32-28		32	28	34	1 3/4. 18UNS	
MS-SK 32-36		32	36	35		
MS-SK 32-42		32	42	37		
MS-SK 36-28		36	28	34	2. 18UNS	
MS-SK 36-36		36	36	35		
MS-SK 36-42		36	42	38		
MS-SK 40-28		40	28	35		
MS-SK 40-36		40	36	37	2 1/4. 16UN	
MS-SK 40-42		40	42	40		
MS-SK 40-54		40	54	40		
MS-SK 44-54		44	54	40	2 1/2. 16UN	
MS-SK 48-42		48	42	40		
MS-SK 48-54		48	54	40	3. 16UN	

접속배열표 (CONTACT ARRANGEMENTS)

Shell Size 8 Insert Arrangement: 85-1 Service Rating: A Number of Contacts: 1 Contact Size: 16				Shell Size 10 Insert Arrangement: 105-2 Service Rating: A Number of Contacts: 8 Contact Size: 16				Shell Size 12 Insert Arrangement: 125-1 Service Rating: A Number of Contacts: 2 Contact Size: 16				Shell Size 14 Insert Arrangement: 145-1 Service Rating: A Number of Contacts: 3 Contact Size: 16			
Shell Size 14 Insert Arrangement: 145-12 Service Rating: A Number of Contacts: 16 Contact Size: 16				Shell Size 16 Insert Arrangement: 165-01 Service Rating: A Number of Contacts: 16 Contact Size: 16				Shell Size 18 Insert Arrangement: 18-1 Service Rating: A Number of Contacts: 16 Contact Size: 16				Shell Size 20 Insert Arrangement: 20-10 Service Rating: A Number of Contacts: 4 Contact Size: 16			
Shell Size 20 Insert Arrangement: 20-10 Service Rating: A Number of Contacts: 4 Contact Size: 16				Shell Size 22 Insert Arrangement: 22-2 Service Rating: D Number of Contacts: 8 Contact Size: 16				Shell Size 24 Insert Arrangement: 24-4 Service Rating: D Number of Contacts: 3 Contact Size: 16				Shell Size 26 Insert Arrangement: 26-4 Service Rating: D Number of Contacts: 3 Contact Size: 16			
Shell Size 26 Insert Arrangement: 26-4 Service Rating: D Number of Contacts: 3 Contact Size: 16				Shell Size 28 Insert Arrangement: 28-4 Service Rating: D Number of Contacts: 3 Contact Size: 16				Shell Size 30 Insert Arrangement: 30-4 Service Rating: D Number of Contacts: 3 Contact Size: 16				Shell Size 32 Insert Arrangement: 32-4 Service Rating: D Number of Contacts: 3 Contact Size: 16			

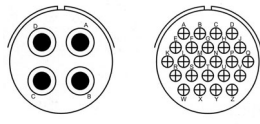
- Pin insert(+절연체)의 정면에서 본 것임.
- 본 표에 수록되지 않은 내용은 별도로 문의하여 주십시오.
- 접점배열은 MIL-STD-1651에 따른다.

Contact Legend 0 4 8 12 16

MS SERIES (MIL-C-5015)



Shell Size 24

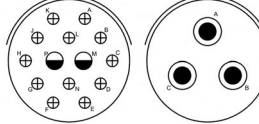


Insert Arrangement
Service Rating
Number of Contacts
Contact Size

24-22
D
4
8

24-28
INST
24
16

Shell Size 28



28-2
D
12
12

28-3
E
3
8

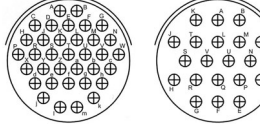
28-6
D
3
4

28-10
A
12
8 4

28-11
A
16
12

28-12
A
26
16

Shell Size 28



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

28-15
A
16
4

28-16
A
20
16

28-17
A
3 2
16

28-18
A
12
16

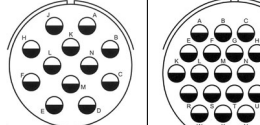
28-19
A
16
12

28-20
A
4
16 12

28-21
A
37
16

28-22
D
3 3
16 4

Shell Size 28



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

28-51
D
12
12

32-01
A
24
12

32-1
D
12
0

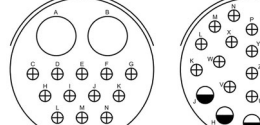
32-5
D
2
0

32-6
A
16 2 3 2
16 12 8 4

32-7
A
28 7
16 12

32-8
A
24 6
16 12

Shell Size 32



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

32-9
D
12 2
16 4

32-13
D
18 5
16 12

32-15
D
6 2
12 0

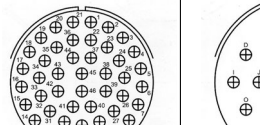
32-16
D
16 2 3 2
16 12 8 4

32-17
D
4
4

32-20
A
16 2 3 2
16 12 8 4

32-22
A
54
16

Shell Size 32



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

32-73
A
46
16

36-1
D
18 2
16 12

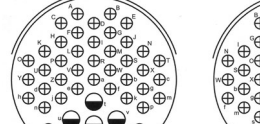
36-03
A
1
0

36-3
D
3 3
12 0

36-4
A
3
0

36-5
A
4
0

Shell Size 36



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

36-7
A
40 7
16 12

36-8
A
46 1
16 12

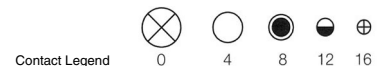
36-9
A
14 14 2 1
16 12 8 4

36-10
A
48
16

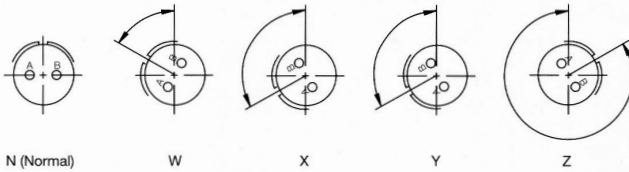
36-20
A
30 2 2
16 12 8

36-44
A
31 8
16 8

1. Pin insert(+절연체)의 정면에서 본 것임.
2. 본 표에 수록되지 않은 내용은 별도로 문의하여 주십시오.
3. 잠점배열은 MIL-STD-1651에 따름.



절연체 회전위치 (ALTERNATE INSERT POSITIONS)



본 위치는 Pin-Insert(+절연체)의 전면 또는 Socket Insert(-절연체)의 후면에서 본 것임

Shell Size	배열번호	Contact Size 수량	서비스등급	Alternate Positions - 각도			
				W	X	Y	Z
12S	12S-3	2 #16	A	70	145	215	290
14S	14S-2	4 #16	Inst.	-	120	240	-
	14S-5	5 #16	Inst.	-	110	-	-
	14S-7	2 #16	A	90	180	270	-
16	14S-9	2 #16	A	70	145	215	290
	16-9	2 #16	A	35	110	250	325
	2 #12						
16S	16-10	3 #12	A	90	180	240	-
	16-11	2 #12	A	35	110	250	325
	16-13	2 #12	A	35	110	250	325
18	16S-1	7 #16	A	80	-	-	280
	16S-4	2 #16	D	35	110	250	325
	16S-5	3 #16	A	70	145	215	290
18	16S-6	3 #16	A	90	180	270	-
	16S-8	5 #16	A	-	170	265	-
	18-1	10 #16	A(B,C,F,G)	70	145	215	290
20	18-3	2 #12	D	35	110	250	325
	18-4	4 #16	D	35	110	250	325
	18-5	1 #16	D	80	110	250	280
22	18-8	7 #16	A	70	-	-	290
	18-9	5 #16	Inst.	80	110	250	280
	2 #12						
24	18-10	4 #12	A	-	120	240	-
	18-11	5 #12	A	-	170	265	-
	18-12	6 #16	A	80	-	-	280
26	18-13	3 #12	A	80	110	250	280
	1 #8						
	18-15	4 #12	A	-	120	240	-
28	18-22	3 #16	D	70	145	215	290
	20-3	3 #12	D	70	145	215	290
	20-4	4 #12	D	45	110	250	-
30	20-7	8 #16	A(C,F)	80	110	250	280
	20-8	4 #16	D(A,B,G,H)	80	110	250	280
	2 #8						
32	20-14	3 #12	A	80	110	250	280
	2 #8						
	20-15	7 #12	A	80	-	-	280
34	20-16	7 #16	A	80	110	250	280
	2 #12						
	20-17	1 #16	A	90	180	270	-
36	20-18	6 #16	A	35	110	250	325
	3 #12						
	20-19	3 #8	A	90	180	270	-
38	20-22	3 #16	A	80	110	250	280
	3 #18						
	20-23	2 #8	A	35	110	250	325
40	20-24	2 #16	A	35	110	250	325
	2 #8						
	20-27	14 #16	A	35	110	250	325
42	20-29	17 #16	A	80	-	-	280
	22-2	3 #8	D	70	145	215	290
	22-4	2 #12	A	35	110	250	325
44	22-5	4 #16	D	35	110	250	325
	2 #12						
	22-6	1 #16	D	80	110	250	280
46	22-9	3 #12	E	70	145	215	290
	22-10	4 #16	E	35	110	250	325
	22-11	2 #16	B	35	110	250	325
48	22-12	3 #16	D	80	110	250	280
	2 #8						
	22-13	1 #16	A(A-D)	35	110	250	325
50	4 #12						
	22-14	19 #16	A	80	-	-	280
	22-15	1 #16	A(A-C,E,F)	80	110	250	280
52	5 #12						
	22-17	8 #16	D(A)	80	110	250	280
	1 #12						
54	22-18	8 #16	A(all others)	80	110	250	280
56	22-19	18 #16	A	80	110	250	280
	22-20	9 #16	A	35	110	250	325
	22-22	4 #8	A	-	110	250	-

본 표에 수록되지 않은 내용은 별도로 문의해 주십시오. (MIL-STD-1651에 따름.)

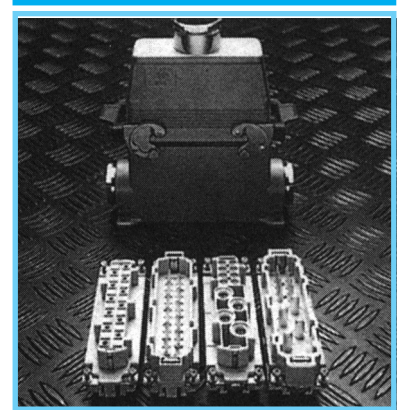
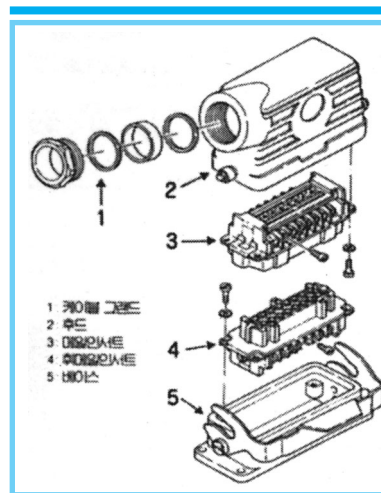
Shell Size	배열번호	Contact Size 수량	서비스등급	Alternate Positions - 각도			
				W	X	Y	Z
22	22-23	8 #12	D(H)	35	-	250	-
			A(all others)				
	22-27	8 #16	D(J)	80	-	250	280
24	1 #8						
			A(all others)				
	22-28	7 #12	A	80	-	-	280
26	24-2	7 #12	D	80	-	-	280
	24-5	16 #16	A	80	110	250	280
	24-6	8 #12	D(A,G,H)	80	110	250	280
28			A(all others)				
	24-7	14 #16	A	80	110	250	280
	2 #12						
30	24-9	2 #4	A	35	110	250	325
	24-10	7 #8	A	80	-	-	280
	24-11	6 #16	A	35	110	250	325
32	3 #8						
	24-12	3 #12	A	80	110	250	280
	2 #4						
34	24-20	9 #16	D	80	110	250	280
	2 #12						
	24-22	4 #8	D	45	110	250	-
36	24-27	7 #16	E	80	-	-	280
	24-28	24 #16	Inst.	80	110	250	280
	28-1	6 #12	D(A,E,J)	80	-	-	280
38	3 #8						
			A(all others)				
	28-2	12 #16	D	35	110	250	325
40	2 #12						
	28-7	2 #4	D	35	110	250	325
	28-9	6 #16	D	80	110	250	280
42	6 #12						
	28-10	3 #12	D(G)	80	110	250	280
	2 #8						
44			A(all others)				
	2 #4						
	28-11	18 #16	A	80	110	250	280
46	4 #12						
	28-12	26 #16	A	90	180	270	-
	28-15	35 #16	A	80	110	250	280
48	28-16	20 #16	A	80	110	250	280
	28-17	15 #16	A(A-L), B(F)	80	110	250	280
			D(M-P)				
50	28-19	6 #16	A(C,E,G,J,K,L)	80	110	250	280
	4 #12						
			B(H,M), D(A,B)				
52	28-20	4 #16	A	80	110	250	280
	10 #12						
	28-21	37 #16	A	80	110	250	280
54	28-22	3 #16	D	70	145	215	290
	3 #4						
	32-1	3 #12	E(A)	80	110	250	280
56	2 #0						
			D(all others)				
	32-6	16 #16	A	80	110	235	280
58	2 #12						
	3 #8						
	2 #4						
60	32-7	28 #16	Inst.(A,B,H,J)	80	125	235	280
	7 #12						
			A(all others)				
62	32-8	24 #16	A	80	125	235	280
	6 #12						
	32-9	12 #16	D	80	110	250	280
64	2 #4						
	32-17	4 #4	D	45	110	250	-
	36-4	3 #0	A(B,C)	70	145	215	290
66			D(A)				
	36-5	4 #0	A	-	120	240	-
	36-7	40 #16	A	80	110	250	280
68	7 #12						
	36-8	46 #16	A	80	110	250	280
	1 #12						
70	36-9	14 #16	A	80	125	235	280
	14 #12						
	2 #8						
72	1 #4						
	36-10	48 #16	A	80	125	235	280
	36-15	35 #16	D(M)	60	125	245	305
74							

MULTIPLE CONNECTERS

독일제 멀티 콘넥타

CONNECTORS

“시리즈형”	핀 수							
H-BE		6		10		16		24 32 48
H-A	3							
	4		10		16		32	48
H-BS					6			12
H-BVE								20
							10	26
			3		6		16	32
H-D	7		15		25	40	50	64 80 120
STA	6		14		20		40	
H-A+M					50		100	



후드(Hood)

베이스(Mounting Base)



싱글레버 탑 엔트리



싱글레버 사이드 엔트리



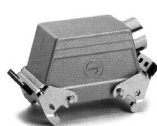
트윈레버 탑 엔트리



트윈 탑 카플러



트윈레버 사이드 엔트리



트윈 사이드 카플러



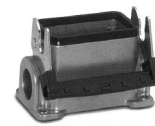
싱글레버 패널



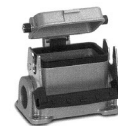
트윈레버 패널



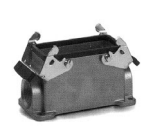
트윈레버 패널+카바



싱글레버 박스

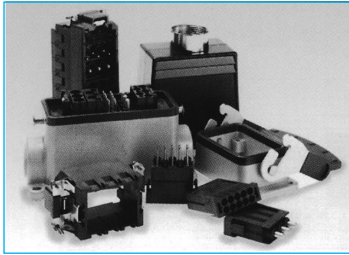


싱글레버 박스+카바

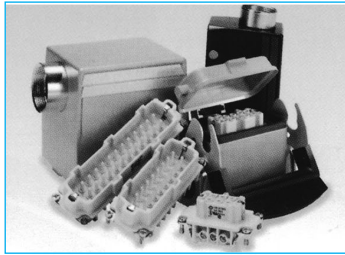


트윈레버 박스

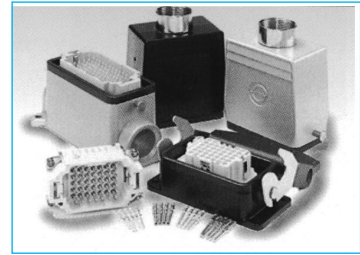
MULTIPLE connectors



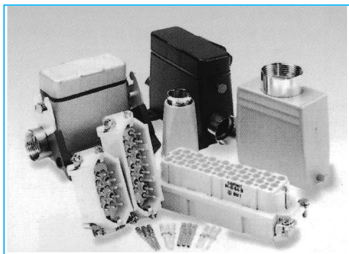
• MC : 3-280 핀
690 VAC, 5~40 A



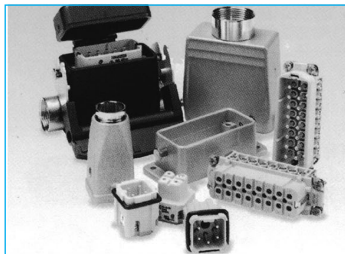
• H-BE : 6,10,16,24,32,48 핀
400 V, 16 A



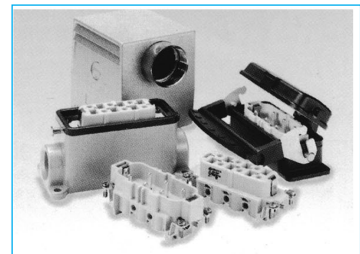
• H-DD : 24,42,72,108,144,216 핀
250 V, 10 A



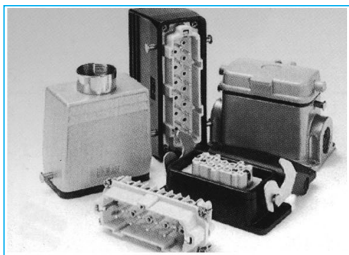
• H-D : 7,8,15,16,24,25,40,50,64, 80,128 핀
250 V, 10 A



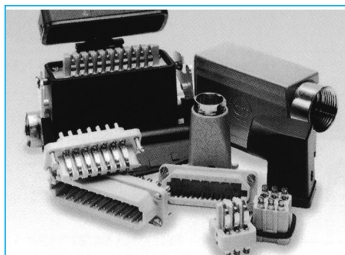
• H-A : 3,4,10,16,32,48 핀
400 V, 10~16 A



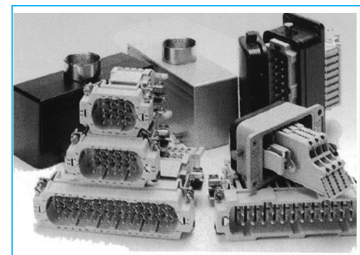
• H-BB : 6,12 핀
400 V, 35 A



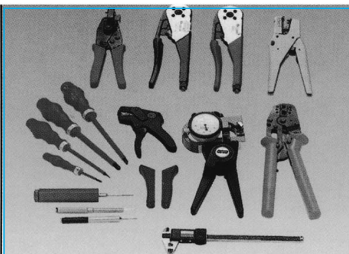
• H-BVE : 3,6,10,20 핀
600 V, 16 A



• STA : 6,14,20,40 핀
25~48 V, 10 A



• TB : (HB+HDTYP) 6,10,16,
24, 32,40,48,64,80,128 핀
250~400 V, 16 A



• 공구 : 수동식, 반자동식,
완전자동식, 기타



• 약세사리 : 전선그랜드, 연결장신구 방폭형 부품

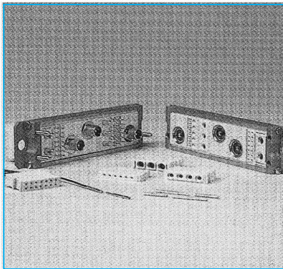


• 원형콘넥타 : 6,8,9,12,16,17 핀
250~400 V, 7.5 A

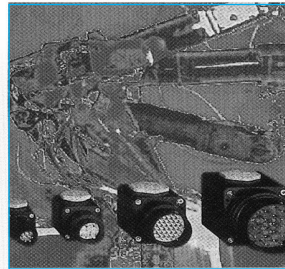
ODU connectors



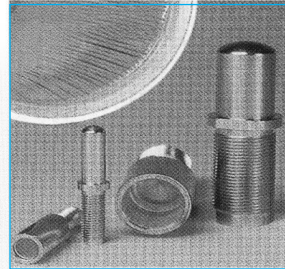
ODU CONNECTOR | 스프링 탄성을 이용한 접촉, 완벽한접속, 자동차장치용



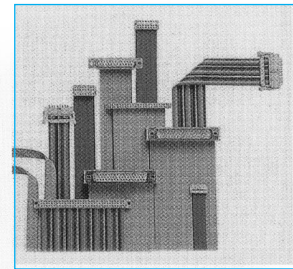
ODU-MAC



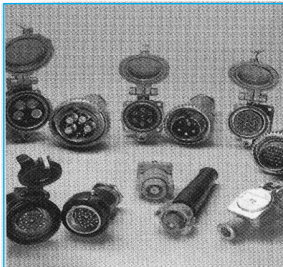
ODU-DOC



Single Contacts



ODU-FLAKAFIX



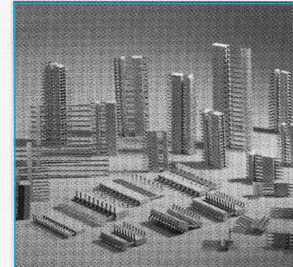
Heavy Duty Connector



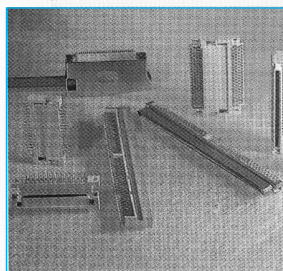
방수, 방폭 콘넥타 OS 시리즈



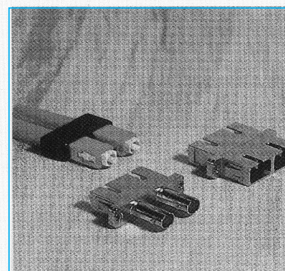
ODU-MINI-SNAP



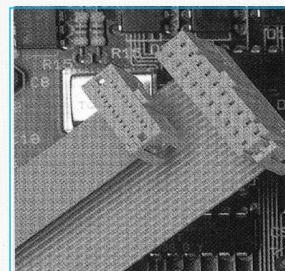
ODU-Card



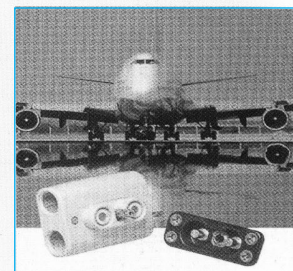
ODU-Bus



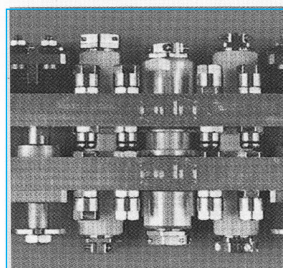
ODU-LAN



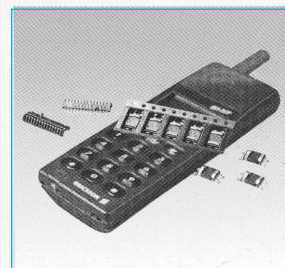
ODU-Minifix



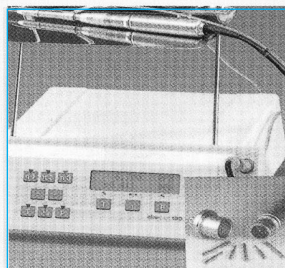
батери 콘넥타



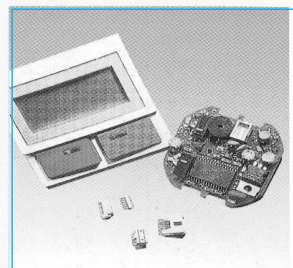
전기자동차용 콘넥타



핸드폰용 콘넥타



의료장비용 특수 콘넥타



초소형 PCB 콘넥타

BINDER connectors



BINDER |

Kabelsteckverbinder

- Schirmbar/nicht schirmbar
- Konfektionierbar
- Gewindeverriegelung M12x1
- Schraubanschluss/Schirm wird 360° geklemmt
- Schutzart IP 67 ¹⁾
- Transparentes Gehäuse für Leiterplatte mit LED
- Kompatibel zu Steckverbindern der Serie 763
- Standardkodierung für Sensoren und Aktoren



Cable Connector

- Shieldable/not shieldable
- Assembly possible
- Thread locking M12x1
- Screw connection/shield is clamped 360°
- Degree of protection IP 67 ¹⁾
- Transparent housing for PCB with LED
- Compatible with connectors series 763
- Standard coding for sensors and actors



Aufbau des Steckverbinders:
Construction of the connector:

Kabelstecker:
Male cable connector:



Kabelstecker schirmbar:
Male cable connector shieldable:



Winkeldose:
Female angled connector:



Winkelstecker schirmbar:
Male angled connector shieldable:



Kabelstecker mit Käfigzugfederanschluss:
Male cable connector with cage clamp connection:



Kabeldose mit Schneidklemmanschluss:
Female cable connector with IDT connection:



Duostecker:
Duo connector



Flanschsteckverbinder

- Metall- und Kunststoffgehäuse
- Gewindeverriegelung M12x1
- Befestigungsgewinde M12; PG 9; PG 11; PG 13,5; M16x1,5; M20x1,5
- Löt-, Tauchlötanschluss und Litzen
- Front- und Rückwandmontage
- Kompatibel zu Steckverbindern der Serie 763

Chassis Sockets

- Metal and plastic housing
- Thread locking M12x1
- Fixing thread M12; PG 9; PG 11; PG 13,5; M16x1,5; M20x1,5
- Solder, dip solder termination and wires
- Front fastened and fastened from back side
- Compatible with connectors series 763

Flanschstecker:
Male socket:



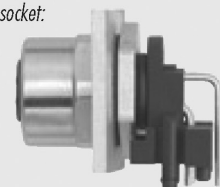
Flanschstecker:
Male socket:



Flanschstecker:
Male socket:



Flanschdose:
Female socket:



BINDER



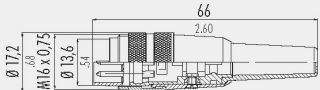
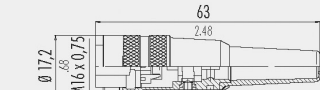
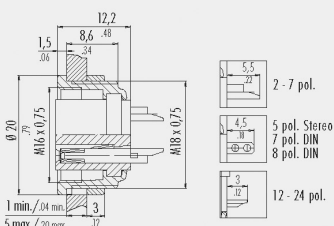
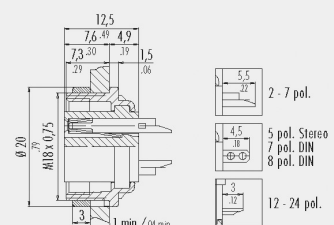
- Kontakteinsätze für Sensor-Rohrmontage
- Löt-, Tauchlötanschluss
- Abdichtung über O-Ring bzw. Dichtlippen
- Transparente Versionen mit LED
- Verguss- bzw. Entlüftungsbohrungen

- Contact insert for sensor tubes
- Solder, dipsolder termination
- Sealing with o-ring
- Transparent versions with LED
- Versions with sealing holes

Bezeichnung — Abbildung Description — Figure		Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr./Ordering-No. ohne Vergussloch without sealing hole	
Einbaustecker versenkt mit Dichtlippen, löten Male receptacle with sealing lips, solder			4	09-0431-70-04	09-0431-71-04
Einbaustecker versenkt mit Dichtlippen, tauchlöten Male receptacle with sealing lips, dip solder			4	09-0431-216-04	09-0431-76-04
			5	09-0433-216-05	—
Einbaustecker versenkt mit O-Ring, löten Male receptacle with o-ring, solder			4	09-0431-74-04	09-0431-73-04
			5	09-0433-74-05	—
Polbilder mit Sicht auf Lötanschlusseite der Stifteinsätze Contact arrangements with view on solder termination side of male inserts					
Einbaustecker Male receptacles	3 pol 3 contacts	4 pol 4 contacts	5 pol 5 contacts	8 pol 8 contacts	12 pol 12 contacts
Kabelstecker Male cable connector	3 pol 3 contacts	4 pol 4 contacts	5 pol 5 contacts	8 pol 8 contacts	12 pol 12 contacts

BINDER connectors

BINDER | Miniatur Rundsteckverbinder Serie 680 Miniature circular connectors series 680

Kabelstecker Kabeldurchlass 3 - 6 mm Cable connector cable outlet 3 - 6 mm (.12 - .24 in.) 		2	09-0301-00-02	09-0301-09-02
		3 DIN	09-0305-00-03	09-0305-09-03
		4	09-0309-00-04	09-0309-09-04
		5	09-0313-00-05	09-0313-09-05
		5 (Stereo)	09-0317-00-05	09-0317-09-05
		6 DIN	09-0321-00-06	09-0321-09-06
		7	09-0325-00-07	09-0325-09-07
		7 DIN	09-1581-00-07	—
		8 DIN	09-0571-00-08	09-0571-09-08
		12	—	09-0329-00-12
		14	—	09-0341-00-14
		16	—	09-0337-00-16
		19	—	09-0343-00-19
		24	—	—
Kabeldose Kabeldurchlass 3 - 6 mm Female cable connector cable outlet 3 - 6 mm (.12 - .24 in.) 		2	09-0302-00-02	09-0302-09-02
		3 DIN	09-0306-00-03	09-0306-09-03
		4	09-0310-00-04	09-0310-09-04
		5	09-0314-00-05	09-0314-09-05
		5 (Stereo)	09-0318-00-05	09-0318-09-05
		6 DIN	09-0322-00-06	09-0322-09-06
		7	09-0326-00-07	09-0326-09-07
		7 DIN	09-1582-00-07	—
		8 DIN	09-0572-00-08	09-0572-09-08
		12	—	09-0330-00-12
		14	—	09-0342-00-14
		16	—	09-0338-00-16
		19	—	09-0344-00-19
		24	—	—
Flanschdose, löten Female socket, solder 		2	09-0304-00-02	09-0304-09-02
		3 DIN	09-0308-00-03	09-0308-09-03
		4	09-0312-00-04	09-0312-09-04
		5	09-0316-00-05	09-0316-09-05
		5 (Stereo)	09-0320-00-05	09-0320-09-05
		6 DIN	09-0324-00-06	09-0324-09-06
		7	09-0328-00-07	09-0328-09-07
		7 DIN	09-1584-00-07	—
		8 DIN	09-0474-00-08	09-0474-09-08
		12	—	09-0332-00-12
		14	—	09-0054-00-14
		16	—	09-0340-00-16
		19	—	09-0336-00-19
		24	—	09-0198-00-24
Flanschdose, löten, von vorn verschraubbar Female socket, solder, front fastened 		2	09-0304-80-02	09-0304-89-02
		3 DIN	09-0308-80-03	09-0308-89-03
		4	09-0312-80-04	09-0312-89-04
		5	09-0316-80-05	09-0316-89-05
		5 (Stereo)	09-0320-80-05	09-0320-89-05
		6 DIN	09-0324-80-06	09-0324-89-06
		7	09-0328-80-07	09-0328-89-07
		7 DIN	—	—
		8 DIN	09-0474-80-08	09-0474-89-08
		12	—	09-0332-80-12
		14	—	09-0054-80-14
		16	—	09-0340-80-16
		19	—	09-0336-80-19
		24	—	09-0198-80-24

BINDER connectors

BINDER

Miniatur Rundsteckverbinder Serie 680 Miniature circular connectors series 680

Polbilder Contact arrangements

2 pol

DIN CONNECTERS

		3 PIN	4 PIN	5 PIN	6 PIN	7 PIN	8 PIN
		DIN-3P	DIN-4P	DIN-5P	DIN-6P	DIN-7P	DIN-8P
		DIN-3S	DIN-4S	DIN-5S	DIN-6S	DIN-7S	DIN-8S
		DIN-3PJ	DIN-4PJ	DIN-5PJ	DIN-6PJ	DIN-7PJ	DIN-8PJ
		DIN-3S R/A	DIN-4S R/A	DIN-5S R/A	DIN-6S R/A	DIN-7S R/A	DIN-8SR/S

MIDIN-DIN(MDN) CONNECTERS

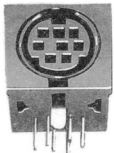
- MINIATURE CIRCULAR CONNECTORS · PLUGS



- MINIATURE CIRCULAR CONNECTORS · JACK

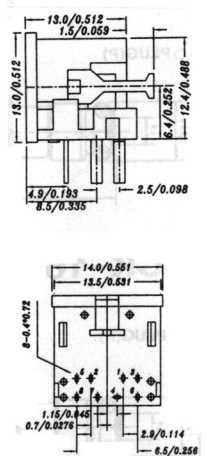


- MINIATURE CIRCULAR CONNECTORS · SOCKET



- WITH METAL SHIELD

MDN-3P	MDN-4P	MDN-5P	MDN-6P	MDN-7P	MDN-8P	MDN-9P
MDN-3J	MDN-4J	MDN-5J	MDN-6J	MDN-7J	MDN-8J	MDN-9J
MDN-3S	MDN-4S	MDN-5S	MDN-6S	MDN-7S	MDN-8S	MDN-9S
* MDN-3SS	* MDN-4SS	* MDN-5SS	* MDN-6SS	* MDN-7SS	* MDN-8SS	* MDN-9SS



- Din 13p & 14p, male and female on request
- Molded type on request

3M connectors



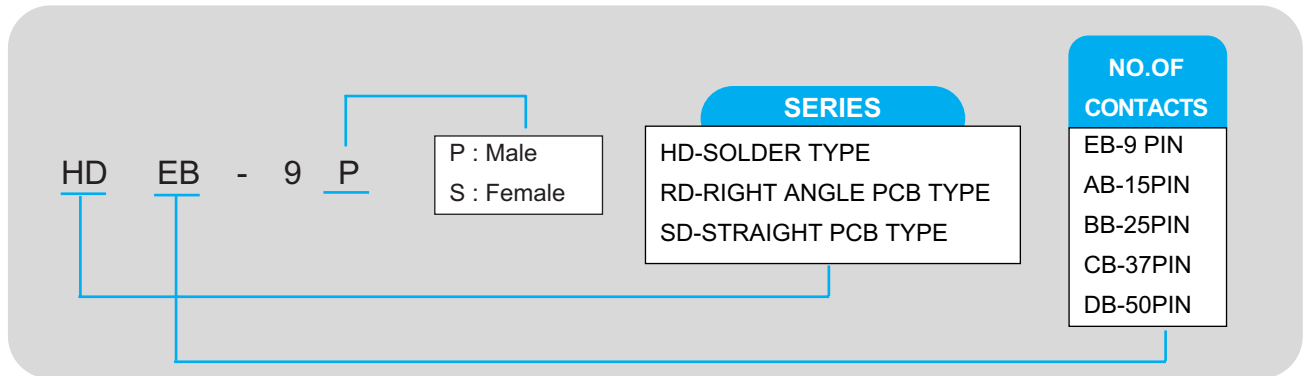
MINI D RIBBON SYSTEM | IEEE 1284-C

Mini D Ribbon

Wiremount Connector

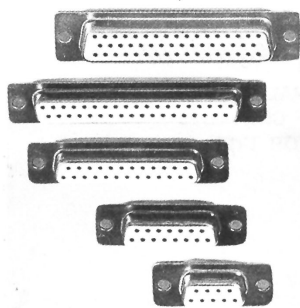
Wiremount Connector								
Pincount	Plug with IDC contacts (metal shell)	Plastic shell 1 or 2 pieces*	Metal shell straight or right angle*	Plug with solder contacts	Plastic shell unshielded	Receptacle with IDC contacts (metal shell)	Receptacle	
							Right Angle	Straight
14	10114-6000 EL	10314-3210-000	10314-A200-00	10114-3000 VE	10314-X2X0-008		10214-52X2 JL	10214-62X2 JL
20	10120-6000 EL	10320-3210-000	10320-A200-00	10120-3000 VE	10320-X2X0-008	10220-0200 EL	10220-52X2 JL	10220-62X2 JL
26	10126-6000 EL	10326-3210-000	*10326-A200-00	10126-3000 VE	10326-X2X0-008	10226-0200 EL	10226-52X2 JL	10226-62X2 JL
36	10136-6000 EL	10336-3210-000	*10336-A200-00	10136-3000 VE	10336-X2X0-008	10236-0200 EL	10236-52X2 JL	10236-62X2 JL
40	10140-6000 EL	10340-3210-000	10340-A200-00			10240-0200 EL	10240-52X2 JL	10240-62X2 JL
50	10150-6000 EL	*10350-3210-000	*10350-A200-00	10150-3000 VE	10350-X2X0-008	10250-0200 EL	10250-52X2 JL	10250-62X2 JL
68	10168-6000 EL	*10368-3210-000	*10368-A200-00			10268-0200 EL	10268-52X2 JL	10268-62X2 JL
80	10180-6000 EL	*10380-3210-000	10380-A200-00				10280-52X2 JL	10280-62X2 JL
100	101A0-6000 EL		103A0-A200-00				102A0-52X2 JL	102A0-62X2 JL
		*P/N for 2 pieces: 103XX-3280-000 (XX = pincount)	* P/N for right angle version: 103XX-A500-00 (XX = pincount)	Compression Insert 10607-CXX8 XX = 05 for cable Ø 4/5 mm 06 for cable Ø 5/6 mm 07 for cable Ø 6/7 mm 08 for cable Ø 7/8 mm 09 for cable Ø 8/9 mm	Groundplate: 4 : nothing 5 : attached Locking method A = jack screw F = latch		102XX-52X2 JL Pincount 0 : Insert M 2.6 1 : Insert M 2.5 A : with ground lock, insert M2.6 B : with ground lock, insert M2.5	102XX-62X2 JL Pincount 0 : Insert M 2.6 1 : Insert M 2.5
PRESS	3829 handtool							
APPROVALS	UL File No. : E68080 CSA File No. : LR 45751							

D-SUB Connecters



⇒ HD

Receptacle Assemblies

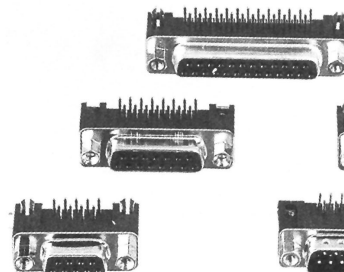


Plug Assemblies

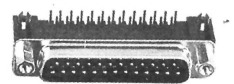


⇒ RD

Receptacle Assemblies



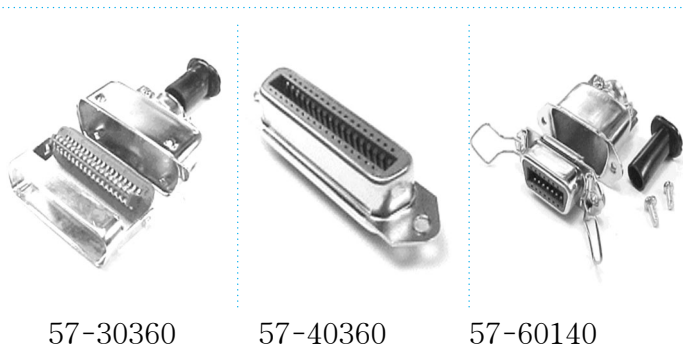
Plug Assemblies



Receptacle



Plug



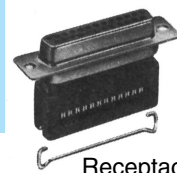
⇒ DF -25-S

DF - 25 - S

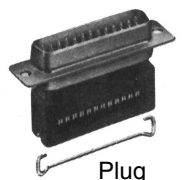
CONTACTS

09
15
25
37

P : Male
S : Female



Receptacle

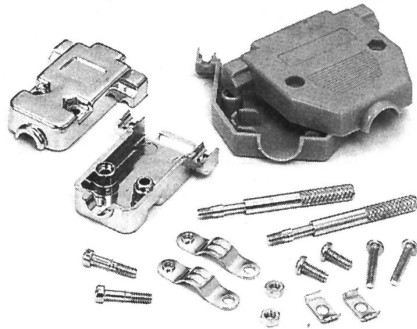


Plug

D-SUB Connectors

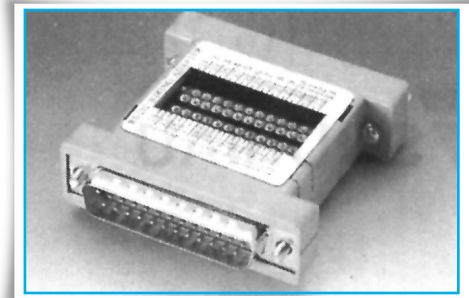


D-SUB CONNECTOR |



HOOD OF CONTACTS

EB-9 PIN
AB-15PIN
BB-25PIN
CB-37PIN
DB-50PIN

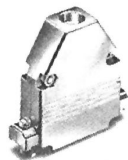


MINI WIRING

CA25MWP : Plastic
CA25MWC : Metalized



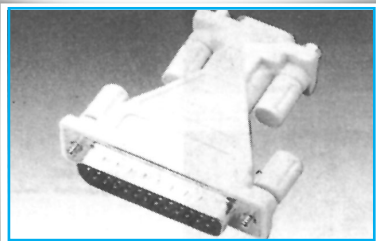
HOOD
GENDER CHANGER



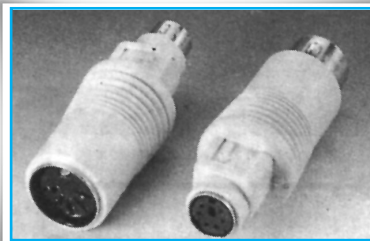
METAL



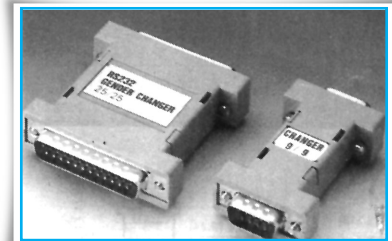
HAND TYPE



CAM25F9 25P(M)/9P(F)
CAM25F9 25P(M)/9P(M)
CAF25F9 25P(F)/9P(M)
CAF25F9 25P(F)/9P(F)

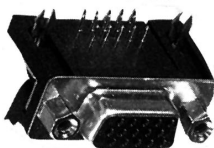


IBMO32 MINI 6P(M)/5DIN(F)
IBMO40 MINI 6P(F)/5DIN(M)



GENDER CHANGER

25Pin M/M F/F M/F
9Pin M/M F/F M/F



HDA-15P / S

CONTACTS : 15.26.44.62

HIGH DENSITY D-SUB CONNECTORS

HIROSE connectors

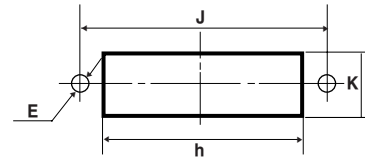
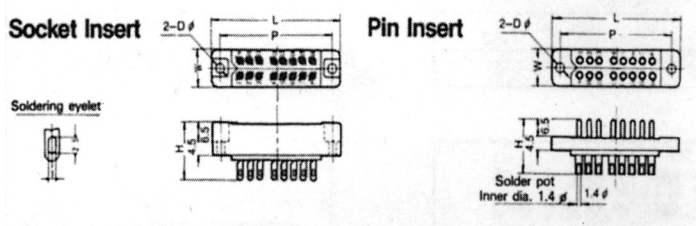


➔ MC SERIES

13

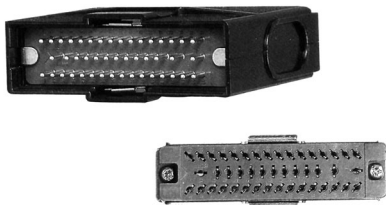
08

CONTACT - 8, 12, 16, 20, 24, 28, 34, 45, 60
SERIES - 1300 Series (MC Connector)



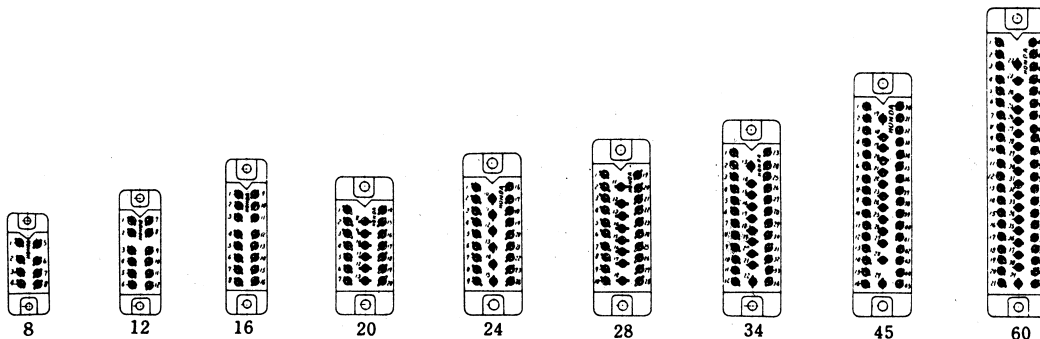
Electrical and Environmental Characteristics

Current	: 5A
Voltage Rating	: AC400V, DC600V
Insulation Resistance	: 100MΩ MIN. at DC500V
Contact Resistance	: 5MΩ MIN. at DC1A
Withstand Voltage	: AC1200V MIN. for one minute



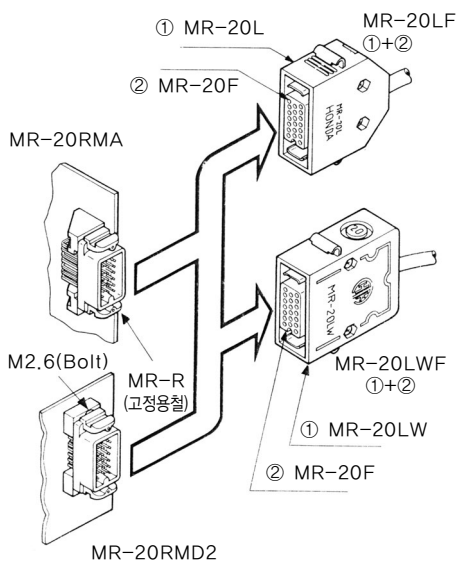
										mm
No. of pin	Part No.	L	P	W	H	D Ø	E Ø	h	J	K
8	1308	30	26	12	19	2.8	2.8	18	25	10
12	1312	37	32	12	19	2.8	2.8	26	32	10
16	1316	46	40	12	19	3.2	3.2	33	40	10
20	1320	41	35	17	19	3.2	3.2	28	35	15
24	1324	48	42	17	19	3.2	3.2	35	42	15
28	1328	52	46	17	19	3.2	3.2	39	46	15
34	1334	58	52	17	19	3.2	3.2	45	52	15
45	1345	72	66	17	22	3.2	3.2	59	66	15
60	1360	90	84	17	22	3.2	3.2	77	84	15

단자배열



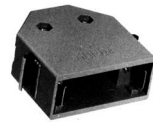
HONDA connectors

MR SERIES



MR - ()M

- M-Male Insert(plug)
- F-Female Insert.(socket)
- L-HOOD(CASE)
- LK2-연결용 HOOD
- CONTACT-8, 16, 20, 25, 34, 50, 60



MR-()L



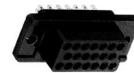
MR-()LK2



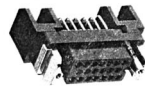
MR-()LW



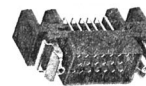
MR-()M



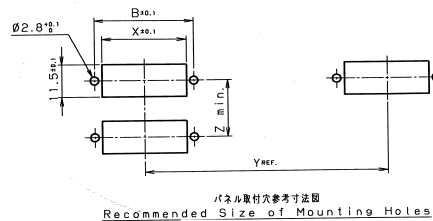
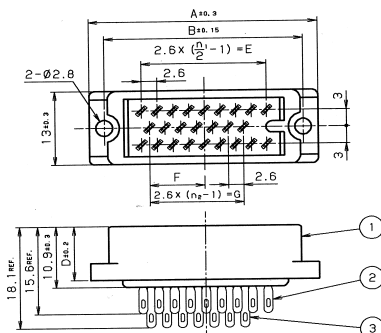
MR-()F



MR-()RFA



MR-()RMA



パネル取付穴参考寸法図
Recommended Size of Mounting Holes

Table 1

Part No.	n ₁	n ₂	A±0.3	B±0.15	C±0.3	D±0.2	E	F	G	X±0.1	Y REF.	Z
MR-8M (G)	6	2	22.4	17.4	11.9	9.4	5.2	1.3	2.6	12.4	63.6	20
MR-16M (G)	12	4	30.2	25.2	19.7		13.0	5.2	7.8	20.2	72.3	19
MR-20M (G)	14	6	32.8	27.8	22.3		15.6	6.5	13.0	22.8	74.9	
MR-25M (G)	18	7	38.0	33.0	27.5	9	20.8	9.1	15.6	28.0	80.1	20
MR-34M (G)	24	10	45.8	40.8	35.3		28.6	13.0	23.4	35.8	87.9	
MR-50M (G)	36	14	61.4	56.4	50.9		44.2	18.2	33.8	51.4	103.5	21



端子番号詳細は別紙参照のこと。
See an attached sheet for terminal No. details.

TAJIMI connectors



1108 Series

Tajimi 1108 series connectors are waterproof up to 30 meters in depth. (100 feet)
Economical and highly reliable construction provides for applications in high humidity conditions. 1108 series include hermetically sealed receptacles.

Specifications

No. of Contacts : 2 to 37
Electrical : See Page 10
Insert Arrangements : See Page 10
Vibration, Moisture and Corrosion Resistance : MIL-STD-202E
Temperature range : -25°C to +85°C
Water-proofing property : Withstand water pressure=3kg/cm²(atg)

Materials

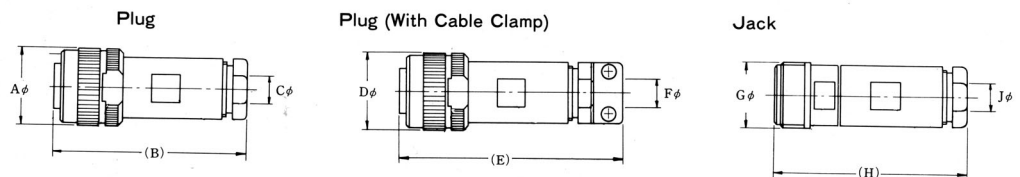
Principal Parts	Materials	Plating
Shell	Brass	Nickel
Contacts	Copper Alloy	Gold
Insulation	Synthetic Resin	

Part Numbering System

1108 - 12A 10 - 4 F ()

Inner Diameter of Clamping Nut
()=Select the most suitable size from the table of inner diameter I.D of Clamping nut for applicable size cable.
Contact Style (M : Pin Contact, F : Socket Contact)
No. of Contacts
Shell Size (10, 16, 20, 26)
Shell Style 12A : Standard Plug, 12B : Standard Plug(with cable clamp),
15A : Long Shell Type Plug, 21B : Flange Mount Receptacle,
23A : Bulkhead Receptacle, 32A : Standard Jack,
32B : Standard Jack (with cable clamp), 35A : Long Shell Type Jack

Dimensions

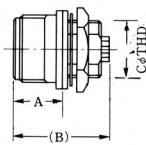


Shell size	No. of contacts	A	B	C	D	E	F	G	H	J
10	2	21.0	52.0 (62.0)	5.0 8.6	21.0	60.0	8.3 9.5	M18 (P=1)	52.0 (62.0)	5.0 8.6
	3			6.3 9.3						6.3 9.3
	4			7.0 10.0						7.0 10.0
	5			8.0 10.5						8.0 10.5
	7									
16	8	27.0	55.5 (65.5)	11.1, 11.8, 13.5	27.0	63.0	11.8, 13.5	M24 (P=1)	56.0 (66.0)	11.1, 11.8, 13.5
	14									
20	12	34.0	61.0 (76.0)	11.0, 14.3, 15.8	34.0	64.0	14.3	M30 (P=1)	61.0 (76.5)	11.0, 14.3, 15.8
	19									
26	21	40.0	65.0 (80.0)	16.3	40.0	74.5	16.3	36.0 P=1	65.5 (80.0)	16.3
	37									

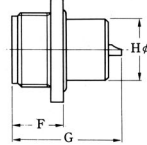
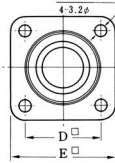
TAJIMI connectors



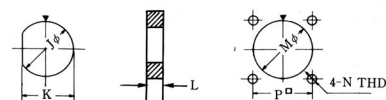
Bulkhead Receptacle



Flange Mount Receptacle



Mounting Hole Dimensions



Shell size	No. of contacts	A	B	C	D	E	F	G	H	J	K	L	M	N	P
10	2	12.5	26.0	M15 (P=1)	18.0	25.0	12.5	26.0	15.0	15.2	14.2	4.0	15.2	M 3	18.0
	3														
	4														
	5														
16	8	12.5	26.0	21.0 P=1	23.0	30.0	12.5	26.0	21.0	21.2	20.2	4.0	21.2	M 3	23.0
	14														
20	12	13.5	26.0	26.0 P=1	31.0	38.0	12.5	26.0	26.0	26.2	25.2	3.5	26.2	M 3	31.0
	19														
26	21	13.5	26.0	32.0 P=1	35.0	43.0	12.5	26.0	32.0	32.2	31.2	3.5	32.2	M 3	35.0
	37														

R04 Series

Tajimi R04 series miniature waterproof circular connectors are water proof up to 20 meter in depth. (65 feet)
It's superior quality and miniature size offer design flexibility for a wide variety of applications including small electronic instruments and electro mechanical devices which operate under high humidity conditions.

Specifications

No. of Contacts : 2 to 12
Electrical : See Page 9
Insert Arrangements : See Page 9
Vibration, Moisture and Corrosion Resistance : MIL-STD-202E
Temperature range : -25°C to +85°C
Water-proofing property : Withstand water pressure=2kg/cm² (atg)

Materials

Principal Parts	Materials	Plating
Shell	Brass & Zinc Alloy	Nickel
Contacts	Copper Alloy	Gold
Insulation	PBT Resin Quolified to UL Standard (94 V-0)	

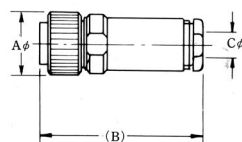
Part Numbering System

R04 - P 6 M ()
 () = Inner Diameter of Clamping Nut
 () = Select the most suitable size from the table of inner diameter I.D of Clamping nut for applicable size cable.
 Contact Style (M : Pin Contact, F : Socket Contact)
 No. of Contacts
 Shell Style (P : Plug, R : Receptacle, J : Jack)
 Series

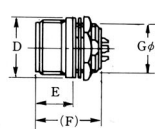


Dimensions

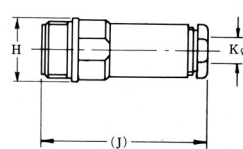
Plug



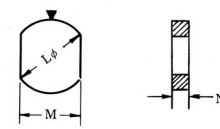
Bulkhead Receptacle



Jack



Mounting Hole Dimensions



Shell size	No. of contacts	A	B	C	D	E	F	G	H	J	K	L	M	N
6	2	12.0	38.0	4.8	12.0	9.0	17.8	9.0 P=0.5	12.0	38.0	4.8	9.2	8.4	1.6
	3													
	5													
9	6	15.5	40.0	6.3 6.8 7.3	15.5	9.0	17.8	12.0 P=0.8	15.5	40.5	6.3 6.8 7.3	12.2	11.2	1.6
	8													
12	12	20.0	43.3	6.3 8.5	20.0	9.0	17.8	M16 (P=1)	20.0	41.8	8.5	16.2	14.7	1.6

■ Hermetically Sealed Receptacle (Glass-to-metal seals) = 1108 Series =

Glass-to-Metal seal creates a bond with high sealing integrity. It maintains rated electrical characteristics during continuous exposure to thermal and mechanical shock. Application of these receptacles are for vacuum pumps, inert gas tanks and oil pressured pumps. These receptacles can be mated with other 1108 series connectors.

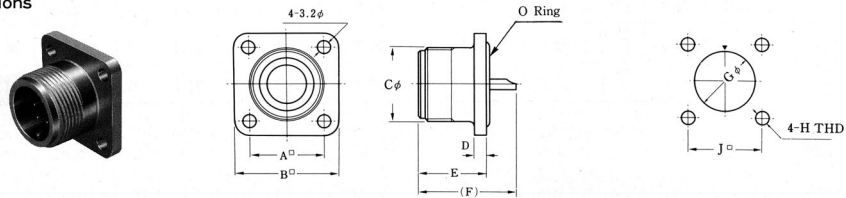
■ Specifications

No. of Contacts : 2 to 14
Electrical : See Page 10
Insulation Resistance : DC500V 1,000M Ω min.
Contact Resistance : DC1A 25m Ω max.
Insert Arrangements : See Page 10
Vibration, Moisture and Corrosion Resistance : MIL-STD-202E
Temperature range : -25°C to +100°C
Hermetic seal : Helium leak rate 1×10^{-9} atm cc/sec.
Sealing : High pressure of 25kg/cm² (atg) with air.

● Materials

Principal Parts	Materials	Plating
Shell	Brass	Nickel
Contacts	Ferro-Nickel	Nickel
Insulation	Soda-Lime Glass	—

■ Dimensions



Mounting Hole Dimensions

Insert Size	No. of Contacts	Part Number	Dimensions Millimeter								
			A	B	C	D	E	F	G	H	J
10	2	1108-71B10-2AM	18.0	25.0	M18 (P=1)	3.0	16.4	23.5	14.8	M 3	18.0
	3	1108-71B10-3AM									
	4	1108-71B10-4M									
	5	1108-71B10-5M									
	7	1108-71B10-7M									
16	8	1108-71B16-8AM	25.0	32.0	M24 (P=1)	3.0	16.4	23.5	21.8	M 3	25.0
	14	1108-71B16-14M									

■ Hermetically Sealed Receptacle (Glass-to-metal seals) = R04 Series =

R04 series hermetically sealed receptacles are Glass-to-Metal sealed. Applications of these receptacles are vacuum pumps, inert gas tanks and oil pressured pumps. These receptacles can be mated with other R04 series (waterproof) and R03 series (non-waterproof) connectors.

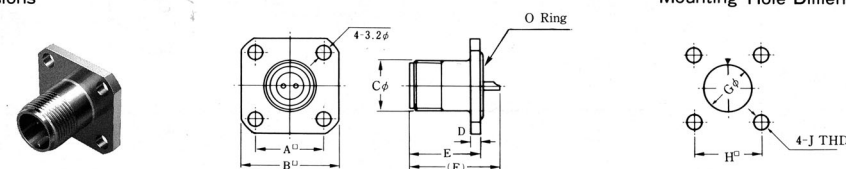
■ Specifications

No. of Contacts : 2 to 12
Electrical : See Page 9
Insulation Resistance : DC500V 1,000M Ω min.
Contact Resistance : DC1A 20m Ω max.
Insert Arrangements : See Page 9
Vibration, Moisture and Corrosion Resistance : MIL-STD-202E
Temperature range : -30°C ~ +100°C
Hermetic seal : Helium leak rate 1×10^{-9} atm cc/sec.
Sealing : High pressure of 25kg/cm² (atg) with air.

● Materials

Principal Parts	Materials	Plating
Shell	Brass	Nickel
Contacts	Ferro-Nickel	Nickel
Insulation	Soda-Lime Glass	—

■ Dimensions



Mounting Hole Dimensions

Insert Size	No. of Contacts	Part Number	Dimensions Millimeter								
			A	B	C	D	E	F	G	H	J
6	2	R04-R 2 MHB	14.0	20.0	10.5 ϕ P=0.75	2.0	14.5	18.6	9.6	14.0	M 3
	3	R04-R 3 MHB									
	5	R04-R 5 MHB									
9	6	R04-R 6 MHB	16.0	22.0	M14 (P=1)	2.0	14.5	18.6	12.4	16.0	M 3
	8	R04-R 8 MHB									
12	12	R04-R12MHB	20.0	26.0	M18 (P=1)	3.0	14.5	18.6	16.8	20.0	M 3

TAJIMI connectors



R28 Series

R28 series, high density miniature circular connectors are water-proof up to 20 meter in depth. It/s superior quality and miniature size offer design flexibility for a wide variety of applications, including small electronic instruments and electro mechanical device which operate under high humidity conditions.

Specifications

No. of Contacts : 8 and 12
Electrical : See Page 10
Insert Arrangements : See Page 10
Vibration, Moisture and Corrosion Resistance : MIL-STD-202E
Temperature range : -25°C to $+85^{\circ}\text{C}$
Water-proofing property : Withstand water pressure= $2\text{kg}/\text{cm}^2$ (atg)

Materials

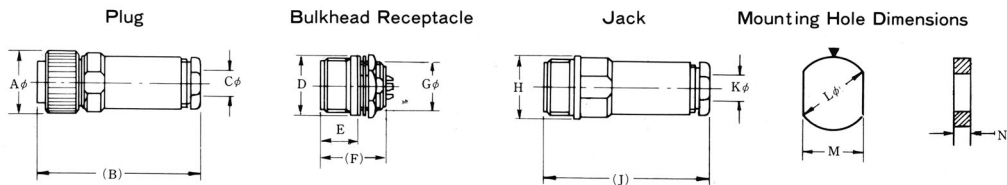
Principal Parts	Materials	Plating
Shell	Brass & Zinc Alloy	Nickel
Contacts	Copper Alloy	Gold
Insulation	PBT Resin Quolified to UL Standard (94 V-0)	

Part Numbering System

R28 - P12M ()
 () Inner Diameter of Clamping Nut
 () = Select the most suitable size from the table of inner diameter I.D of Clamping nut for applicable size cable.
 Contact Style (M : Pin Contact, F : Socket Contact)
 No. of Contacts
 Shell Style (P : Plug, R : Receptacle, J : Jack)
 Series



Dimensions



Shell size	No. of contacts	A	B	C	D	E	F	G	H	J	K	L	M	N
6	8	12.0	38.0	4.8	12.0	9.0	17.8	$\Phi 9.0$ $P=0.5$	12.0	38.0	4.8	9.2	8.4	1.6
9	12	15.5	40.0	6.3,6.8,7.3	15.5	9.0	17.8	$\Phi 12.0$ $P=0.8$	15.5	40.5	6.3,6.8,7.3	12.2	11.2	1.6

R14 Series

R14 series, stainless steel connectors are waterproof up to 100 meter in depth and designed for marine usage.

Specifications

No. of Contacts : 2 to 7
Electrical : See Page 10
Insert Arrangements : See Page 10
Vibration, Moisture and Corrosion Resistance : MIL-STD-202E
Temperature range : -25°C to $+85^{\circ}\text{C}$
Water-proofing property : Withstand water pressure= $10\text{kg}/\text{cm}^2$ (atg)
(100m Deep in Water) (328 feet)

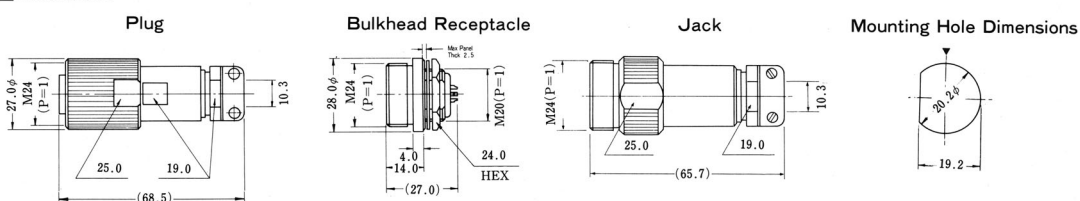
Materials

Principal Parts	Materials	Plating
Shell	Stainless Steel	
Contacts	Copper Alloy	Gold
Insulation	Synthetic Resin	

Part Numbering System

R14 - P 3 F
 Contact Style (M : Pin Contact, F : Socket Contact)
 No. of Contacts
 Shell Style (P : Plug, R : Receptacle, J : Jack)
 Series

Dimensions



PRC series (Push-pull circular connector)

TRC 03, 04 and 05 series are quick release, light weight, miniature multipin connectors with audible click lock mechanism also free of vibration and impact problems.

Specifications

No. of Contacts : 2 to 37
Electrical : See Pages 9 to 10
Insert Arrangements : See Pages 9 to 10
Vibration, Moisture and Corrosion Resistance : MIL-STD-202E
Temperature range : -25°C to +85°C

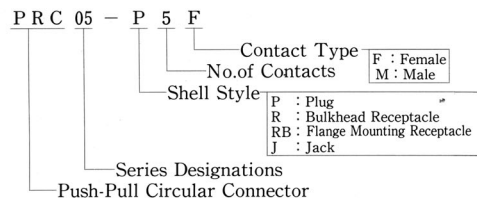


Materials

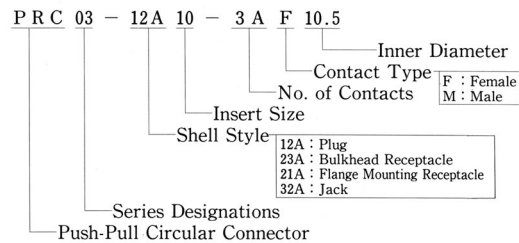
Principal Parts	Materials			Plating		
	05 series	03 series	04 series	05 series	03 series	04 series
Shell	Brass	Zinc Alloy	Aluminum Alloy	Nickel	Nickel	Anodic Oxidation Coatings
Male Contacts	Brass	Brass	Brass	Gold	Gold	Gold
Female Contacts	Copper Alloy	Copper Alloy	Copper Alloy	Gold	Gold	Gold
Insulation	Synthetic Resin	Synthetic Resin	Synthetic Resin	—	—	—

Part Numbering System

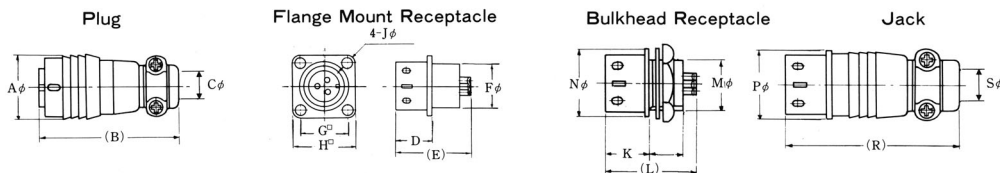
PRC05 series



PRC03, 04 series

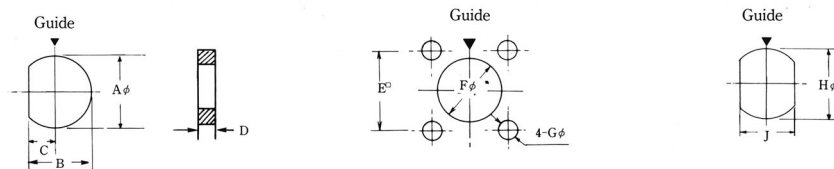


Dimensions



Series	No. of contacts	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
PRC03	2~7	21.0	46.0	10.5	12.5	26.5	15.0	16.0	21.0	2.9	12.5	26.5	M15P=1	19.0	19	46.0	10.5
	8, 14	28.0	55.5	12.5	13.5	25.5	21.0	21.5	28.0	3.4	13.5	25.5	M21P=1	25.0	25	50.0	12.5
PRC04	12, 19	34.0	63.5	14.5	14.0	26.0	26.0	26.0	33.0	3.9	14.0	26.0	M26P=1	32.0	32	58.5	14.5
	21, 37	40.8	71.0	18.0	14.0	26.0	32.0	31.0	38.0	3.9	14.0	26.0	M32P=1	38.0	38	65.5	18.0
PRC05	2, 3, 5	13.5	32.0	5.2	9.5	18.0	9.0	11.5	16.0	2.2	9.5	18.0	M 9P=0.5	13.0	13	32.5	5.2
	6, 8	16.7	34.0	6.2	9.5	18.0	12.0	13.5	18.0	2.2	9.5	18.0	M12P=0.8	16.0	16	34.5	6.2
	12	21.0	39.0	11.0	9.5	18.0	16.0	17.0	22.5	2.8	9.5	18.0	M16P=1	20.0	20	39.0	11.0

Mounting Hole Dimensions



Series	No. of contacts	A	B	C	D	E	F	G	H	J
PRC03	2~7	15.2	14.2	6.6	4.0	16.0	15.2	2.9	—	—
	8, 14	21.2	20.2	9.6	3.4	21.5	21.3	3.4	—	—
PRC04	12, 19	26.2	25.2	12.1	2.0	26.0	26.3	3.9	—	—
	21, 37	32.2	31.2	15.1	2.0	31.0	32.3	3.9	—	—
PRC05	2, 3, 5	—	—	—	2.0	11.5	9.2	2.2	9.2	8.4
	6, 8	—	—	—	2.0	13.5	12.2	2.2	12.2	11.2
	12	—	—	—	2.0	17.0	16.2	2.8	16.2	14.7

TAJIMI connectors



P01, R03 & R05 Series

R01, R03 and R05 series, multipin circular connectors are small in size and high in reliability suitable for miniature and high density electronics equipment. Ro1 series is water resistant and designed for application in Mobilradios and outdoor small electronics equipment. R01, R03 series are threaded coupling and R05 series is bayonet jock coupling.

Specifications

No. of Contacts : 2 to 12

Electrical : See Page 9

Insert Arrangements : See Page 9

Vibration, Moisture and Corrosion Resistance : MIL-STD-202E

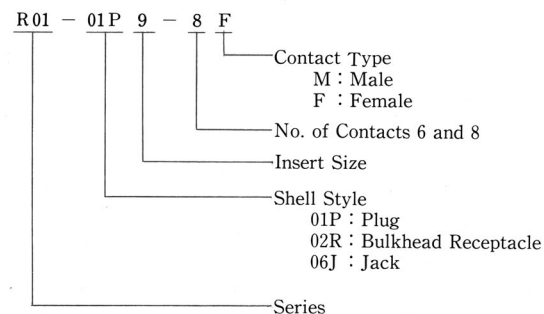
Temperature range : -25°C to +85°C

Materials

Principal Parts	Materials	Plating
Shell	Brass & Zinc Alloy	Nickel
Contacts	Copper Alloy	Gold (Nickel Based)
Insulation PBT Resin qualified to UL Standard (Class 94V-0)		

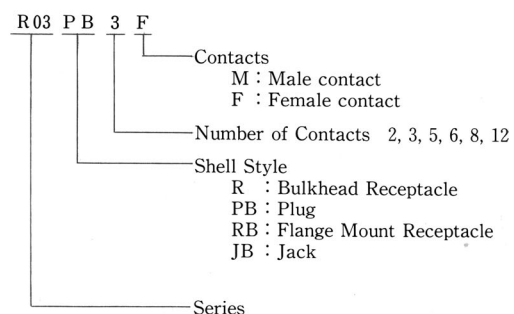
Part Numbering System

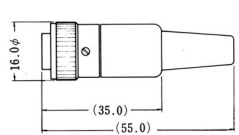
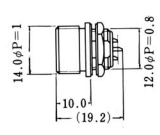
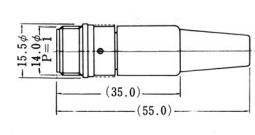
R01 Series



Part Numbering System

R03 & R05 Series



	Plug	Bulkhead Receptacle	Jack
R01			



	Plug	Bulkhead Receptacle	Flange Mount Receptacle	Jack
R03				

Series	No. of contacts	Dimensions (mm)																		
		A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	W
R03	2, 3, 5	12.0	$\frac{10.5}{P=0.75}$	32.0	5.2	9.0	18.0	12.0	$\frac{10.5}{P=0.75}$	$\frac{9.0}{P=0.5}$	18.0	9.5	9.0	$\frac{10.5}{P=0.75}$	10.5	15.0	12.0	$\frac{10.5}{P=0.75}$	32.0	5.2
	6, 8	15.5	$\frac{14.0}{P=1}$	34.0	6.2	9.0	18.0	15.5	$\frac{14.0}{P=1}$	$\frac{12.0}{P=0.8}$	18.0	9.5	12.0	$\frac{14.0}{P=1}$	13.0	17.5	15.5	$\frac{14.0}{P=1}$	34.0	6.2
	12	20.0	$\frac{18.0}{P=1}$	39.0	10.5	9.0	18.0	20.0	$\frac{18.0}{P=1}$	$\frac{16.0}{P=0.75}$	18.0	9.5	16.0	$\frac{18.0}{P=1}$	17.0	22.5	20.0	$\frac{18.0}{P=1}$	39.0	10.5



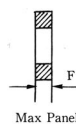
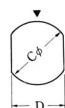
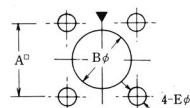
	Plug	Bulkhead Receptacle	Flange Mount Receptacle	Jack
R05				

Series	No. of contacts	Dimensions (mm)																		
		A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	W
R05	2, 3, 5	13.0	—	32.5	5.2	9.5	18.0	12.0	9.5	$\begin{smallmatrix} 9.0 \\ P=0.5 \end{smallmatrix}$	18.0	10.5	9.0	9.5	10.5	15.0	12.0	9.5	32.0	5.2
	6, 8	16.0	—	34.5	6.2	9.5	18.0	15.5	12.3	$\begin{smallmatrix} 12.0 \\ P=0.8 \end{smallmatrix}$	18.0	10.5	12.0	12.3	13.0	17.5	15.5	12.3	34.0	6.2
	12	20.0	—	39.0	10.5	9.0	18.0	19.5	16.3	$\begin{smallmatrix} 16.0 \\ P=1 \end{smallmatrix}$	18.0	10.5	16.0	16.3	17.0	22.5	20.0	16.3	39.0	10.5

■ Mounting Hole Dimensions

Flange Mount Receptacle

Bulkhead Receptacle



No. of Contacts	A	B	C	D	E	F		
						R01	R03	R05
2, 3, 5	10.5	9.2	9.2	8.4	2.2	—	2.0	1.6
6, 8	13.0	12.2	12.2	11.2	2.2	1.6	2.0	1.6
12	17.0	16.3	16.2	14.7	2.8	—	1.6	1.6

NANABOSHI connectors



NANABOSHI CONNECTERS

NAW series



NCS series



NET series



NEW series



NHVC series



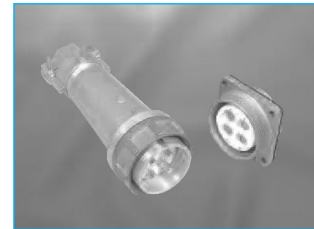
NJC series



N JW series



NMI series



NR series



NRW series



NT series



NWPC series



R series



T series



WT series



7TP • 7TS series



PUSH-PULL connectors



CWP LINK - SOCKET SERIES



WP LINK

PLUG

REV - SERIES



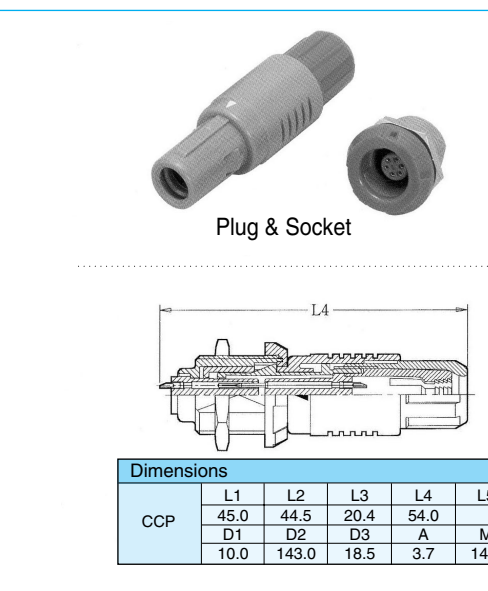
Plug & Socket

CFM - SERIES



Plug & Socket

CCP PLASTIC SERIES



Plug & Socket

Dimensions					
CCP	L1	L2	L3	L4	L5
	45.0	44.5	20.4	54.0	
	D1	D2	D3	A	M
	10.0	143.0	18.5	3.7	14.0

CFO, CFM LINK SERIES

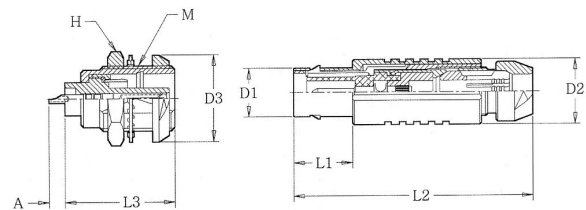


CFO LINK

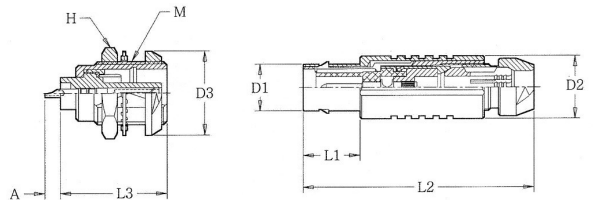
CFO PLUG

CFM LINK

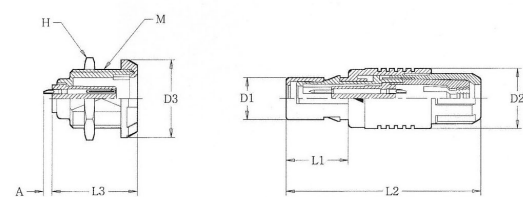
CFM PLUG



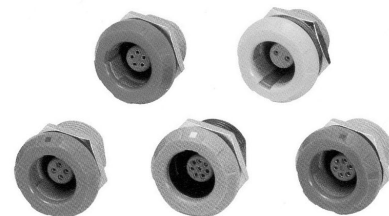
Dimensions					
REV	L1	L2	L3	L4	L5
	11.0	45.0	20.5	A	M
	D1	D2	D3		
	9.0	12.0	16.0	2.8	12.0



Dimensions					
CFM	L1	L2	L3	L4	L5
	10.0	35.5	16.5	43.7	
	D1	D2	D3	A	M
	7.0	9.0	12.0	1.8	9.0



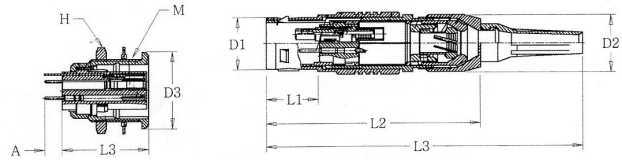
Socket



LMS - SERIES



Plug & Socket



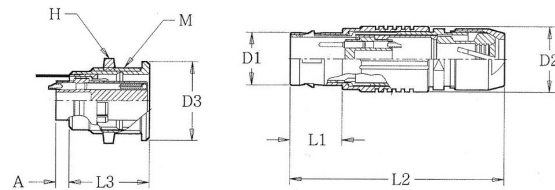
Dimensions

LMS	L1	L2	L3	L4	L5
	15.2	67.0		22.5	
	D1	D2	D3	A	M
	15.0	18.0	22.0	2.4	18.0

CSF - SERIES



Plug & Socket



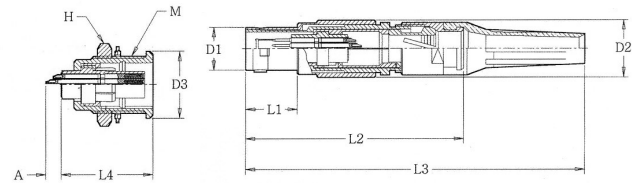
Dimensions

CSF	L1	L2	L3	L4	L5
	12.0	54.0	21.7		
	D1	D2	D3	A	M
	12.0	15.0	18.0	2.0	15.0

CFG - SERIES



Plug & Socket



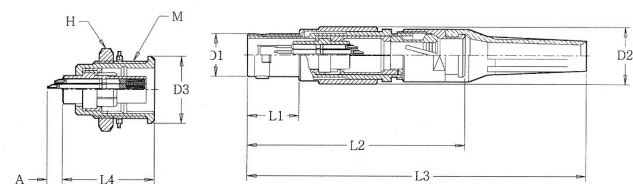
Dimensions

CFG	L1	L2	L3	L4	L5
	11.0	46.0	71.0	19.5	56.5
	D1	D2	D3	A	M
	9.0	12.0	14.0	3.5	12×P1.0

CFO - SERIES



Plug & Socket



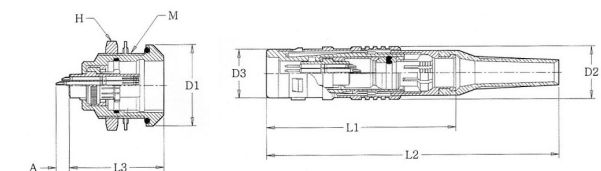
Dimensions

CFO	L1	L2	L3	L4	L5
	10.0	39.0	58.5		
	D1	D2	D3	A	M
	7.0	9.5	10.0	1.6	9.0

CWP - SERIES



Plug & Socket



Dimensions

CWP	L1	L2	L3	L4	L5
	45.5	70.5	23.5		
	D1	D2	D3	A	M
	20.0	13.0	12.0	3.6	16.0

PUSH-PULL Plastic connectors



Plastic Connectors (CPM Series)



CPM-6P(High Frequency)



CPM-6P(Air)



CPM-12P



CPM-4P(Power)



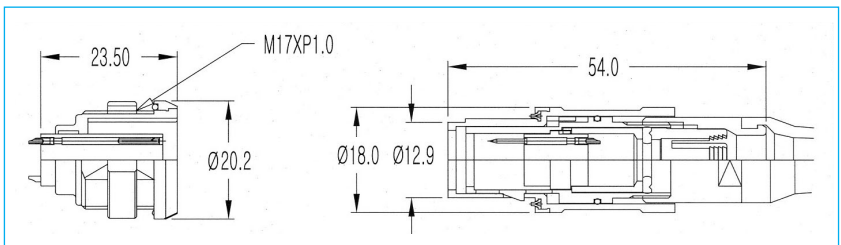
CPM-8P(Set)



CPM-4P(Air)



CPM-7P(Power)



Dimensions



Air-Connectors

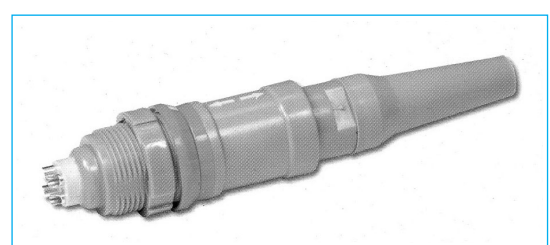
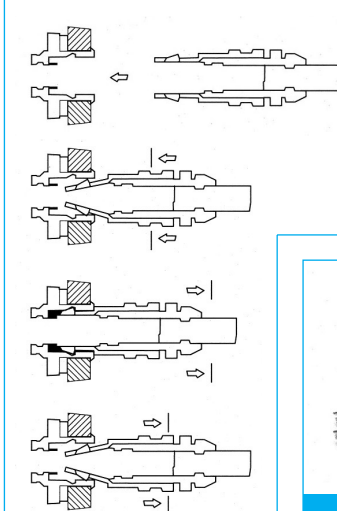


Air(Set)

SELF-LATCHING SYSTEM / 주요특징

Quality(품질)의 Feature(특성)

1. Push/Pull방식의 Self Locking Connector System
2. 외부의 진동과 Cable 당김에도 탈거 불가능
3. Insertion Loss 최소화
4. Plug와 Socket Connection Adapter 불필요
5. Technical과 뛰어난 Design
6. Assembly (간단한 조립)
7. Protection을 위한 방수처리(선택)



CPM-8P(Set)

Water-Proof Plastic Connectors (CPL Series)



CPL-14P(Optical)



CPL-3P(Power)



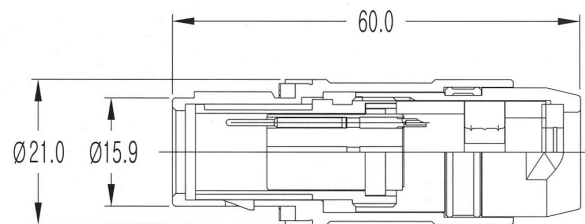
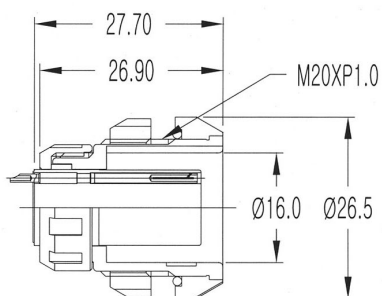
CPL-12P



CPL-16P



CPL-4P(Power)



Dimensions



Sockets



Cable Set(Optical)

CIRCULAR(원형) connectors



Selection by Size / Contacts / Current

Select shell diameter, number of contacts, and current rating, then go to the indicated page for details on the product.

series	contacts size	2	3	4	5	6	7	8	9	10	12	14	16	18	19	20	22	24	26	30	32	Page
SCC	13		10A		5A																	10
	16						10A			5A												
	21									10A			5A									
	25												10A						5A			
SCN & SCK	12	4/3A		4/3A																		14
	16	5A	5A	5A	4A	3A	3A	3A														
	20	7A	7A	7A	7A	4A		3A		3A												
	25	10A	10A	10A	10A	5A		5A		5A	5A											
SCK	30	15A	15A	15A		15A		15A		7A		5A										24
	32	30A	30A	30A																		
	40	40A	40A	40A		20A					10/4A											
	9					2A																
SN	8			2A	2A	2A																26
	10	3A	3A	3A					2A	2A	2A											
SP	00	•	•	•																		36
	0	•	•	•	•	•	•															
	1	•	•	•	•	•	•	•														
	2					•				•												
	3	•																				
SRC	21									10A			5A						10/5A			50
ST	9										1A		1A			1A						54
SU	20							5A														60
SW	8			2A	2A	2A																64
	10	3A	3A	3A				2A	2A	2A												
SXR	10							2A														70
series	size contacts	2	3	4	5	6	7	8	9	10	12	14	16	18	19	20	22	24	26	30	32	Page

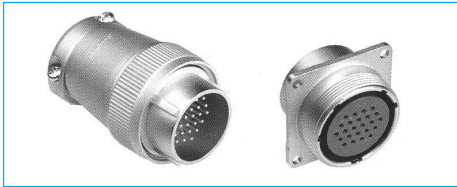
➡ Application

Find application type. Check the available sizes and contact numbers. Then go to the indicated page for details on the product.

Application	Product Series	Available Size	No. of Contacts	Page
Audio/Video	SN	8,10	2,3,4,5,6,9,10,12	26
	SRC	21	10,16,26	50
	ST	9	12,16,20	54
CCTV	SN	8,10	2,3,4,5,6,9,10,12	26
Communication	SCN/SCK	12,16,20,25,30,32,40	2,3,4,5,6,9,10,12,14,20	14
Computers & Peripherals	SN	8,10	2,3,4,5,6,9,10,12	26
Control Engineering	SU	20	8	60
Electric / Electronic	SCN/SCK	12,16,20,25,30,32,40	2,3,4,5,6,9,10,12,14,20	14
Electronic Precision Equipment	SU	20	8	60
Factory Automation	SN	8,10	2,3,4,5,6,9,10,12	26
	SRC	21	10,16,26	50
	ST	9	12,16,20	54
HDTV	SP	00,0,1,2,3	1 to 10, multiple contacts	36
Industrial	SCC	13,16,21,25	3,5,7,10,16,24	10
Measuring Equipment	SN	8,10	2,3,4,5,6,9,10,12	26
	SRC	21	10,16,26	50
	ST	9	12,16,20	54
Medical Unit	SN	8,10	2,3,4,5,6,9,10,12	26
	SP	00,0,1,2,3	1 to 10, multiple contacts	36
	SRC	21	10,16,26	50
	ST	9	12,16,20	54
	SU	20	8	60
Microphone	SH	9	6	24
Optical Testing	SP	00,0,1,2,3	1 to 10, multiple contacts	36
Portable Wireless Radio	SN	8,10	2,3,4,5,6,9,10,12	26
	SP	00,0,1,2,3	1 to 10, multiple contacts	36
Precision Equipment	SU	20	8	60
Professional Audio	SN	8,10	2,3,4,5,6,9,10,12	26
	SP	00,0,1,2,3	1 to 10, multiple contacts	36
	SRC	21	10,16,26	50
	ST	9	12,16,20	54
Professional Video	SN	8,10	2,3,4,5,6,9,10,12	26
	SP	00,0,1,2,3	1 to 10, multiple contacts	36
	SRC	21	10,16,26	50
	ST	9	12,16,20	54
Robotics	ST	9	12,16,20	54
Sensor	ST	9	12,16,20	54
Telecommunication	SP	00,0,1,2,3	1 to 10, multiple contacts	36
Vision Testing	SP	00,0,1,2,3	1 to 10, multiple contacts	36
	SRC	21	10,16,26	50
Wireless Communication	SH	9	6	24
Wireless Radio	SN	8,10	2,3,4,5,6,9,10,12	26
	SP	00,0,1,2,3	1 to 10, multiple contacts	36



SCC Series



Size / No. of Contacts

Size - 13,16,21,25

Contacts - 3,5,7,10,16,24

Material / Finish

Body - Aluminum alloy / Nickel plate

Insulator - Thermosetting resin / Blue

Contacts - Copper alloy / Silver plate

Applications

Industrial

Features

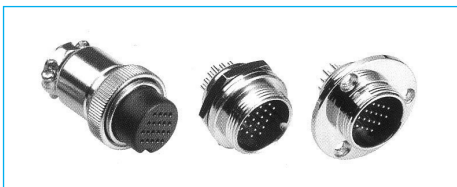
Rugged

Light weight

Low cost

General purpose

SCK / SCN Series



Size / No. of Contacts

SCN Size - 12,16,20,25

SCK Size - 12,16,20,25,30,32,40

Contacts - 2,3,4,5,6,7,8,10,12,14,20

Material / Finish

Body - Zinc alloy / Nickel plate

Insulator - PA & Bakelite / Green & Black

Contacts - Brass, Phosphor Bronze /

Silver or Gold plate

Applications

Electric & Electronic

Communication

Features

Rugged

Simple construction

Stable performance

SH Series



Size / No. of Contacts

Size - 9

Contacts - 6

Material / Finish

Body - Brass / Chromium plate

Insulator - Glass filled polyacetal / White

Contacts - Brass, Phosphor Bronze /

Gold plate

Applications

Microphone Circuitry

Wireless Communication

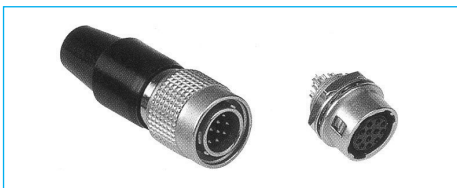
Features

Compact

Durable

Contemporary design

SN Series



Size / No. of Contacts

Size - 8,10

Contacts - 2,3,4,5,6,9,10,12

Material / Finish

Body - Zinc alloy and Brass / Sn, Ni plate

Insulator - PA / Black

Contacts - Brass, Phosphor Bronze /

Gold or silver plate

Applications

Professional A/V, CCTV, Medical,

Wireless Radio, Measuring,

Computers and Peripherals,

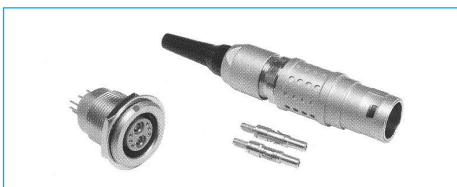
Factory Automation, etc.

Features

Push-pull, Light-weight

Miniature circular, Low cost

SP Series



Size / No. of Contacts

Size - 00,0,1,2,3

Contacts - 1 to 10, multiple

Material / Finish

Body - Brass / Chromium plate

Insulator - PEEK, PA or Teflon / Beige

Contacts - Beryllium or Brass / Gold plate

Applications

Telecommunication, HDTV,

Professional A/V, Optical Testing,

Vision Testing, Portable Wireless

Radio, Medical, etc.

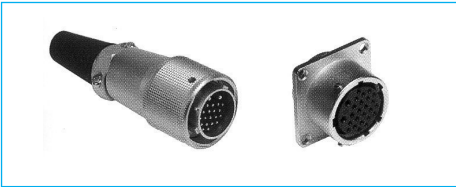
Features

Ultimate performance

Aerodynamic and aesthetic

CIRCULAR connectors

SRC Series



Size / No. of Contacts

Size - 21
Contacts - 10,16,26

Material / Finish

Body - Aluminum alloy / Ni or Ni-Au plate
Insulator - Thermosetting resin / Black or Blue
Contacts - Brass, Phosphor Bronze / Gold or Silver plate

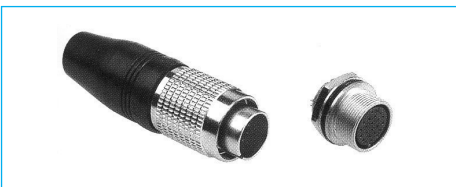
Applications

Professional A/V, Vision Testing, Factory Automation, Measuring, Medical, etc.

Features

Bayonet locking system
Rugged, Light-weight, Low cost
General purpose

ST Series



Size / No. of Contacts

Size - 9
Contacts - 12,16,20

Material / Finish

Body - Brass & Zinc alloy / Ni plate
Insulator - PPS resin / Black
Contacts - Brass, Phosphor Bronze / Gold

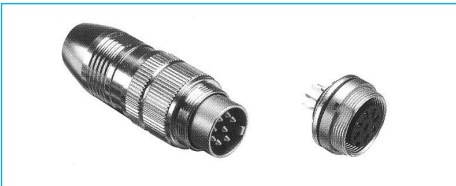
Applications

Professional A/V
Measuring
Sensors
Wireless Radio
Medical, etc.

Features

Super-miniature with multi-contact Safe insert system

SU Series



Size / No. of Contacts

Size - 20
Contacts - 8

Material / Finish

Body - ZnDC / Sn, Ni plate
Insulator - PA GF / Black
Contacts - Brass, Phosphor Bronze / Gold plate

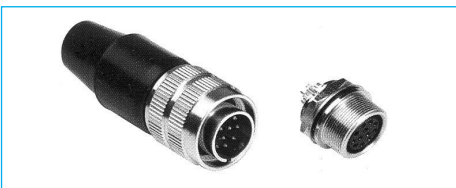
Applications

Electronic Precision Equipment
Control Engineering
Automation
Medical

Features

Waterproof(IP67)
Electro-magnetic protection

SW Series



Size / No. of Contacts

Size - 8,10
Contacts - 2,3,4,5,6,9,10,12

Material / Finish

Body - Brass / Sn & Ni plate
Insulator - PA / Black
Contacts - Brass, Phosphor Bronze / Gold or Silver plate

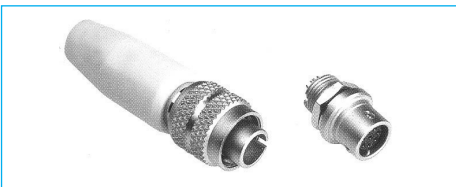
Applications

Professional Audio and Camera, CCTV, Medical, Wireless Radio, Testing & Measuring Equipment, etc.

Features

Excellent performance at low price
Screw mounting
Super-miniature with multi-contact
Precise design

SXR Series



Size / No. of Contacts

Size - 10
Contacts - 8

Material / Finish

Body - Aluminum alloy / Ni plate
Insulator - PBT resin / Black
Contacts - Brass, Phosphor Bronze / Gold plate

Applications

Professional Audio and Camera

Features

Miniature, Light weight,
Ground function

SCC Series



Features

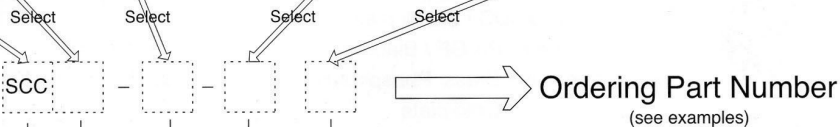
- Rugged
- Light weight
- Low cost
- General purpose

Applications

- Industrial

Part Numbering

Part Number		Size	Number of Contacts	Suffix (Contact Type)	Notes	Page
Series	Prefix (Body)					
SCC	6A	13,16,21,25	13 size : 3 or 5 16 size : 7 or 10 21 size : 10 or 16 25 size : 16 or 24	P	Plug(Pin)	12
				S	Plug(Socket)	13
	2A			P	Receptacle(Pin)	13
				S	Receptacle(Socket)	12
	1A			P	Adapter(Pin)	13
				S	Adapter(Socket)	12



Examples

SCC6A - 13 - 3P

SCC series Plug - Size 13 - 3 pin

SCC2A - 16 - 10S

SCC series Receptacle - Size 16 - 10 socket

SCC1A - 25 - 24P

SCC series Adapter - Size 25 - 24 pin

Connector Series (Body Type)

SCC6A - Plug
SCC2A - Receptacle
SCC1A - Adapter

Size

13,16,21,25

No. of Contacts

13 Size : 3 or 5
16 Size : 7 or 10
21 Size : 10 or 16
25 Size : 16 or 24

Contact Type

P : Pin
S : Socket

SCC Series

Major Performances / Contact Arrangements

Performance	Size 13		Size 16	
	3	5	7	10
Withstanding Voltage (per min) ¹	AC 250V	AC 250V	AC 250V	AC 250V
Current	10A	5A	10A	5A
Insulation Resistance (Minimum) ²	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω
Contact Resistance (Maximum) ³	5m Ω	5m Ω	5m Ω	5m Ω
Solder Pot Inside Diameter (ϕ)	1.5	1.0	1.5	1.0
Contact Arrangement				
Performance	Size 21		Size 25	
	10	16	16	24
Withstanding Voltage (per min) ¹	AC 250V	AC 250V	AC 250V	AC 250V
Current	10A	5A	10A	5A
Insulation Resistance (Minimum) ²	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω
Contact Resistance (Maximum) ³	5m Ω	5m Ω	5m Ω	5m Ω
Solder Pot Inside Diameter (ϕ)	1.5	1.0	1.5	1.0
Contact Arrangement				

¹ Withstanding voltage is the tested voltage value in this table.

² Insulation resistance is measured at DC 100V.

³ Contact resistance is measured at DC 1A.

- Values are from tested items and may not apply to all connectors.
- Specifications subject to change without notice.
- Consult Sam Woo Electronics for the latest specifications.

Material Used / Finish

	Material	Finish
Body	Aluminum alloy	Ni Plating
Insulator	Thermosetting resin	UL94V-0 ; Blue
Contacts	Pin	Copper alloy
	Socket	Copper alloy
		Silver Plating

Mating & Unmating Force

Shell Size	Contacts	Force	Shell Size	Contacts	Force
13	3	<1.4Kg	13	5	<1.5Kg
16	7	<3.2Kg	16	10	<3.4Kg
21	10	<4.5Kg	21	16	<5.5Kg
25	16	<7.2Kg	25	24	<8.2Kg

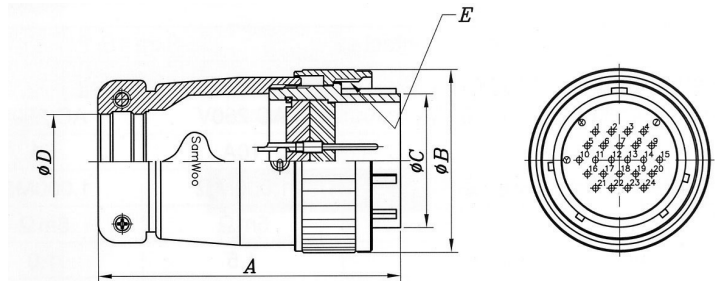
SCC Series Mini-map



SCC Series



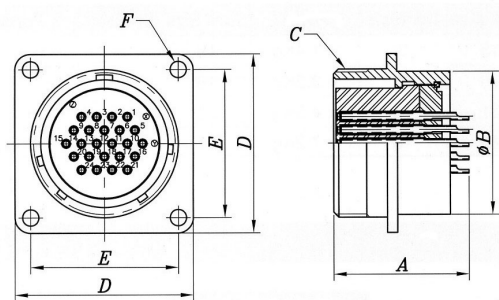
SCC6A Plug



Part Number	A	ø B	ø C	ø D	E
SCC6A-13-3P	45.7	21.5	12.7	8.0	M18 × 1.0P
SCC6A-13-5P					
SCC6A-16-7P	48.0	25.5	16.3	11.5	M22 × 1.0P
SCC6A-16-10P					

Part Number	A	ø B	ø C	ø D	E
SCC6A-21-10P	53.5	29.7	20.5	14.0	M26 × 1.0P
SCC6A-21-16P					
SCC6A-25-16P	56.5	33.8	24.7	17.5	M30 × 1.0P
SCC6A-25-24P					

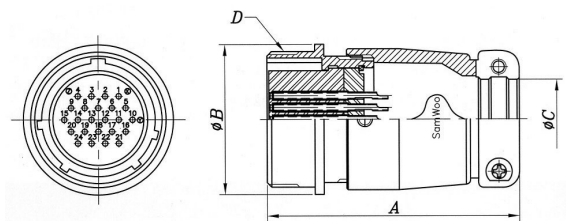
Material Used / Finish



Part Number	A	ø B	C	D	E	F
SCC2A-13-3S	27.8	16	M18 × 1.0P	26.0	20.0	4- ø 3.3
SCC2A-13-5S	26.5					
SCC2A-16-7S	27.6	19.8	M22 × 1.0P	29.0	23.0	4- ø 3.3
SCC2A-16-10S	27.0					

Part Number	A	ø B	C	D	E	F
SCC2A-21-10S	27.1	24	M26 × 1.0P	32.0	26.0	4- ø 3.3
SCC2A-21-16S	26.6					
SCC2A-25-16S	27.3	27.9	M30 × 1.0P	35.0	29.5	4- ø 3.3
SCC2A-25-24S	26.7					

Mating & Unmating Force



Part Number	A	ø B	ø C	ø D
SCC1A-13-3S	45.0	21.0	8.0	M18 × 1.0P
SCC1A-13-5S				
SCC1A-16-7S	47.8	25.0	11.5	M22 × 1.0P
SCC1A-16-10S				

Part Number	A	ø B	ø C	ø D
SCC1A-21-10S	51.5	29.0	14.0	M26 × 1.0P
SCC1A-21-16S				
SCC1A-25-16S	55.5	33.0	17.5	M30 × 1.0P
SCC1A-25-24S				

SCK, SCN Series



Features

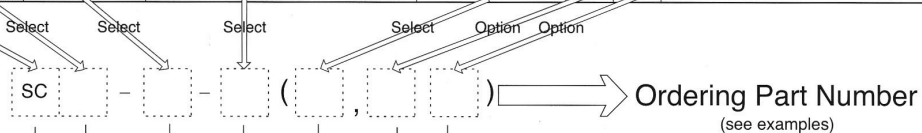
- Rugged
- Simple construction
- Stable mechanical / Electrical performances

Applications

- Electric / Electronic
- Communication

Part Numbering

Part Number		Size	Number of Contacts	Suffix (Body Type)	Option		Notes	Page	
Series	Prefix				L/T	W			
SC	K	12,16,20,25, 30,32,40	12 size:2 or 4 16 size:2,3,4,5,6,7,8 20 size:2,3,4,5,6,8,10,20 25 size:2,3,4,5,6,8,10,12 30 size:2,3,4,6,8,10,14 32 size:2,3,4 40 size:2,3,4,6,12	P	●	●	SCK series plug	20	
				PL			SCK series Right-angle plug	20	
				R			Receptacle (Panel type)	21	
				RC			Receptacle Cover	23	
	N	12,16,20,25		R		●	Receptacle (Nut type)	21	
				RPCB			Receptacle (PCB type)	21	
	KH	16,25,30		P			Plug (Reverse contact)	23	
				R			Receptacle (Reverse contact)	23	
	NH	16,20		R			Receptacle (Reverse contact)	23	
				P			Adapter (Socket Adapter)	22	
	A	16,20,25 30,32,40		Check each product for more detail	A			Adapter (Pin Adapter)	22



Examples

SCK - 12 - 4 (P)
SCK series - Size 12 - 4 contact (Plug)

SCN - 20 - 10 (R)
SCN series - Size 20 - 10 contact (Nut type receptacle)

SCA - 30 - 2 (P)
SCA series - Size 30 - 2 contact (Adapter - female contact)

SCA - 40 - 16 (A)
SCA series - Size 16 - 4 contact (Adapter - male contact)

SCK - 16 - 4 (P,L/T)
SCK series - Size 16 - 4 contact (Plug, Lock Type)

SCK - 16 - 8 (PL)
SCK series - Size 16 - 8 contact (Right Angle Plug)

SCN - 16 - 7 (RPCB)
SCN series - Size 16 - 7 contact (PCB Receptacle)

Connector Series (Body Type)

SCK - Plug(Socket) / Receptacle(Pin)
SCK - Nut type receptacle(Pin)
SCKH - Plug(Pin) / Receptacle(Pin)
SCNH - Receptacle(Socket)
SCA - Adapter

Size

12,16,20,25,30,32,40

No. of Contacts

12 Size : 2 or 4 30 Size : 2,3,4,5,6,8,10,14
16 Size : 2,3,4,5,6,7,8 16 Size : 2,3,4
20 Size : 2,3,4,5,6,8,10,20 40 Size : 2,3,4,6,12
25 Size : 2,3,4,5,6,8,10,12

Extended Body Type

P : Plug
PL : Right angle Plug
R : Receptacle
RPCB : PCB Receptacle
RC : Receptacle Cap
A : Adapter

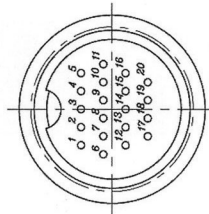
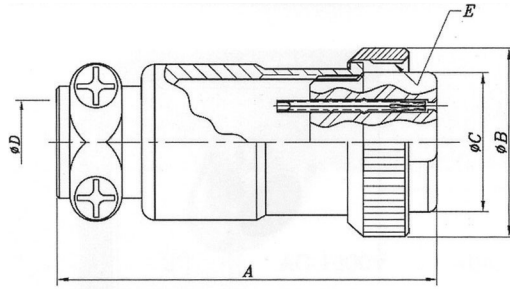
Option

L/T : Lock type (available in size 16 with 4,5,6,7,8 contacts only)
W : Waterproof (only available in size 12,4 contacts)

SCK, SCN Series



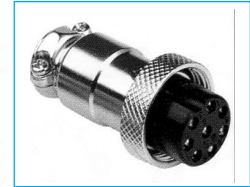
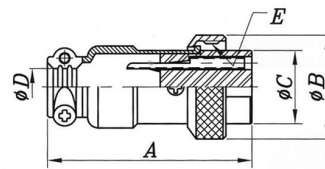
SCK Plug



SCK-20-20(P)

Part Number	A	ø B	ø C	ø D	E
SCK-12-2(P)	28.6	14.5	9.2	5.0	M13 × 0.75P
SCK-12-4(P)					
SCK-16-2(P)	35.7	18.2	12.6	6.4	M16 × 1.0P
SCK-16-3(P)					
SCK-16-4(P)					
SCK-16-5(P)					
SCK-16-6(P)					
SCK-16-7(P)	42.5	21.8	15.5	8.2	M19 × 1.0P
SCK-16-8(P)					
SCK-20-2(P)					
SCK-20-3(P)					
SCK-20-4(P)					
SCK-20-5(P)	50.0	28.2	21.5	11.0	M25 × 1.25P
SCK-20-6(P)					
SCK-20-8(P)					
SCK-20-10(P)					
SCK-20-20(P)					
SCK-25-2(P)	53.5	33.0	25.0	13.0	M29 × 1.0P
SCK-25-3(P)					
SCK-25-4(P)					
SCK-25-5(P)					
SCK-25-6(P)					
SCK-25-8(P)	59.0	38.2	28.0	15.0	M34 × 1.0P
SCK-25-10(P)					
SCK-25-12(P)					
SCK-30-2(P)					
SCK-30-3(P)	67.7	45.5	34.8	18.0	M41.5 × 1.5P
SCK-30-4(P)					
SCK-30-6(P)					
SCK-30-8(P)					
SCK-30-10(P)					
SCK-30-14(P)	59.0	38.2	28.0	15.0	M34 × 1.0P
SCK-32-2(P)					
SCK-32-3(P)					
SCK-32-4(P)					
SCK-40-2(P)	67.7	45.5	34.8	18.0	M41.5 × 1.5P
SCK-40-3(P)					
SCK-40-4(P)					
SCK-40-6(P)					
SCK-40-12(P)					

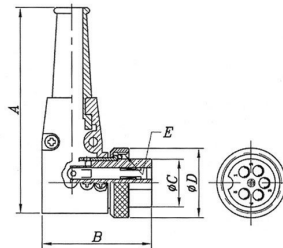
SCK Series Plug (Lock Type)



SCK-16-6(P, L/T)

Part Number	A	ø B	ø C	ø D	E
SCK-16-4(P, L/T)	36.0	18.2	12.6	6.4	M16 × 1.0P
SCK-16-5(P, L/T)					
SCK-16-6(P, L/T)					
SCK-16-7(P, L/T)					
SCK-16-8(P, L/T)					

SCK Right-Angle Plug

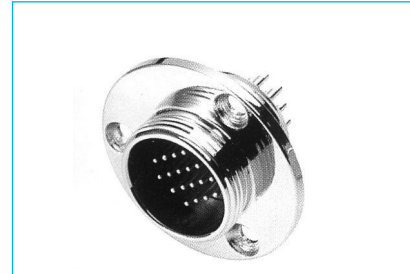
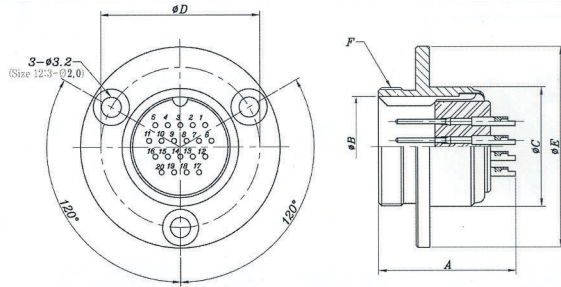


SCK-16-5(PL)

Part Number	A	ø B	ø C	ø D	E
SCK-16-4(PL)	54.0	29	12.6	18.2	M16 × 1.0P
SCK-16-5(PL)					
SCK-16-6(PL)					
SCK-16-7(PL)					
SCK-16-8(PL)					

SCK, SCN Series

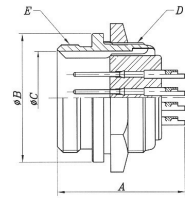
SCK Receptacle



SCK-20-20(R)

Part Number	A	ø B	ø C	ø D	ø E	F
SCK-12-2(R)	17.3	11.8	9.6	17.0	22.0	M13 × 0.75P
SCK-12-4(R)						
SCK-16-2(R)						
SCK-16-3(R)						
SCK-16-4(R)	21.0	15.9	13.0	24.0	30.7	M16 × 1.0P
SCK-16-5(R)						
SCK-16-6(R)						
SCK-16-7(R)						
SCK-16-8(R)	22.0	9.0	16.0	25.5	32.0	M19 × 1.0P
SCK-20-2(R)						
SCK-20-3(R)						
SCK-20-4(R)						
SCK-20-5(R)	27.5	25.0	21.9	34.0	42.0	M25 × 1.25P
SCK-20-6(R)						
SCK-20-8(R)						
SCK-20-10(R)						
SCK-20-20(R)	27.2	29.0	25.7	37.0	45.5	M29 × 1.0P
SCK-25-2(R)						
SCK-25-3(R)						
SCK-25-4(R)						
SCK-25-5(R)	33.5	32.0	28.9	42.0	50.8	M34 × 1.0P
SCK-25-6(R)						
SCK-25-8(R)						
SCK-25-10(R)						
SCK-30-2(R)	39.5	40.0	35.5	50.0	58.0	M41.5 × 1.5P
SCK-30-3(R)						
SCK-30-4(R)						
SCK-30-6(R)						
SCK-30-8(R)	33.5	32.0	28.9	42.0	50.8	M34 × 1.0P
SCK-30-10(R)						
SCK-30-14(R)						
SCK-32-2(R)						
SCK-32-3(R)	39.5	40.0	35.5	50.0	58.0	M41.5 × 1.5P
SCK-32-4(R)						
SCK-40-2(R)						
SCK-40-3(R)						
SCK-40-4(R)	39.5	40.0	35.5	50.0	58.0	M41.5 × 1.5P
SCK-40-6(R)						
SCK-40-12(R)						

SCN Receptacle

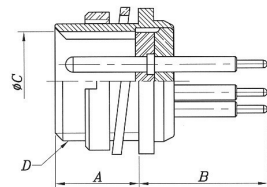


SCN-20-20(R)

Part Number	A	ø B	ø C	ø D	E
SCK-12-2(R)	17.3	15.0	9.6	M12 × 0.75P	M13 × 0.75P
SCK-12-4(R)					
SCK-16-2(R)					
SCK-16-3(R)					
SCK-16-4(R)	20.6	18.8	13.0	M16 × 0.75P	M16 × 1.0P
SCK-16-5(R)					
SCK-16-6(R)					
SCK-16-7(R)					
SCK-16-8(R)	22.0	23.0	15.9	M19 × 0.75P	M19 × 1.0P
SCK-20-2(R)					
SCK-20-3(R)					
SCK-20-4(R)					
SCK-20-5(R)	27.5	25.0	21.9	M25 × 1.25P	M25 × 1.25P
SCK-20-6(R)					
SCK-20-8(R)					
SCK-20-10(R)					
SCK-20-20(R)	27.2	29.0	25.7	M29 × 1.0P	M29 × 1.0P
SCK-25-2(R)					
SCK-25-3(R)					
SCK-25-4(R)					
SCK-25-5(R)	33.5	32.0	28.9	M34 × 1.0P	M34 × 1.0P
SCK-25-6(R)					
SCK-25-8(R)					
SCK-25-10(R)					
SCK-25-12(R)	39.5	40.0	35.5	M41.5 × 1.5P	M41.5 × 1.5P
SCK-30-2(R)					
SCK-30-3(R)					
SCK-30-4(R)					

SCN PCB Receptacle

Solder type also available



SCN-16-8(BRPCB)

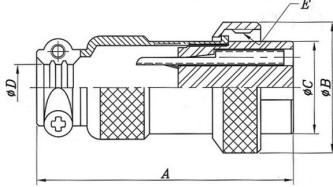
Part Number	A	B	ø C	D
SCN-16-2(BRPCB)	11.0	11.7~17.7 (Customizable)	13	M16 × 1.0P
SCN-16-3(BRPCB)				
SCN-16-4(BRPCB)				
SCN-16-5(BRPCB)				
SCN-16-6(BRPCB)	12.5	11.7~17.7 (Customizable)	16	M19 × 1.0P
SCN-16-7(BRPCB)				
SCN-16-8(BRPCB)				
SCN-20-3(BRPCB)				
SCN-20-4(BRPCB)	12.5	11.7~17.7 (Customizable)	16	M19 × 1.0P
SCN-20-5(BRPCB)				
SCN-20-6(BRPCB)				
SCN-20-7(BRPCB)				

SCK, SCN Series



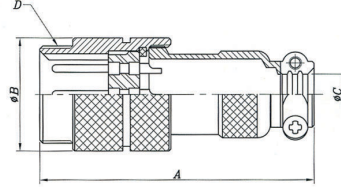
SCA Adapter (Socket Contact)

SCA-25-8(P)



Part Number	A	ø B	ø C	ø D	E
SCA-16-2(P)	35.7	18.2	12.6	6.4	M16 × 1.0P
SCA-16-3(P)					
SCA-16-4(P)					
SCA-16-5(P)					
SCA-16-8(P)					
SCA-20-2(P)	42.5	21.8	15.5	8.2	M19 × 1.0P
SCA-20-3(P)					
SCA-20-4(P)					
SCA-20-5(P)					
SCA-20-6(P)					
SCA-20-8(P)					
SCA-20-10(P)					
SCA-20-20(P)	50.0	28.2	21.5	11.0	M25 × 1.25P
SCA-25-2(P)					
SCA-25-3(P)					
SCA-25-4(P)					
SCA-25-5(P)					
SCA-25-6(P)					
SCA-25-8(P)					
SCA-25-10(P)					
SCA-25-20(P)					
SCA-30-2(P)	53.5	33.0	25.0	13.0	M29 × 1.0P
SCA-30-3(P)					
SCA-30-4(P)					
SCA-30-6(P)					
SCA-30-8(P)					
SCA-32-2(P)	59.0	38.2	28.0	15.0	M34 × 1.0P
SCA-32-3(P)					
SCA-32-4(P)					
SCA-40-2(P)	67.7	45.5	34.8	18.0	M41.5 × 1.5P
SCA-40-3(P)					
SCA-40-4(P)					
SCA-40-6(P)					
SCA-40-12(P)					

SCA Adapter (Pin Contact)



SCA-25-8(A)

Part Number	A	ø B	ø C	D
SCA-16-2(P)	43.7	18.2	6.4	M16 × 1.0P
SCA-16-3(P)				
SCA-16-4(P)				
SCA-16-5(P)				
SCA-16-8(P)				
SCA-20-2(P)	49.0	21.8	8.2	M19 × 1.0P
SCA-20-3(P)				
SCA-20-4(P)				
SCA-20-5(P)				
SCA-20-6(P)				
SCA-20-8(P)				
SCA-20-10(P)				
SCA-20-20(P)	56.2	28.2	11.0	M25 × 1.25P
SCA-25-2(P)				
SCA-25-3(P)				
SCA-25-4(P)				
SCA-25-5(P)				
SCA-25-6(P)				
SCA-25-8(P)				
SCA-25-10(P)				
SCA-25-20(P)				
SCA-30-2(P)	62.0	33.0	13.0	M29 × 1.0P
SCA-30-3(P)				
SCA-30-4(P)				
SCA-30-6(P)				
SCA-30-8(P)				
SCA-32-2(P)	67.5	38.2	15.0	M34 × 1.0P
SCA-32-3(P)				
SCA-32-4(P)				
SCA-40-2(P)	74.5	45.5	18.0	M41.5 × 1.5P
SCA-40-3(P)				
SCA-40-4(P)				
SCA-40-6(P)				
SCA-40-12(P)				

SCA Adapter (Socket Contact)



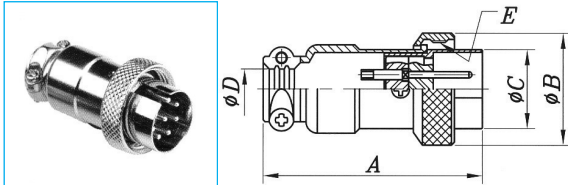
SCA Adapter sets are available.
SCA sets include both Pin and Socket adapter.
To order a set, choose **(P.A)** at the end of part number.

ex) To order SCA-25-10(P) and SCA-25-10(A),
Select **SCA-25-10(P.A)**

SCK, SCN Series

SCKH Plug

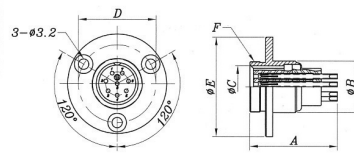
SCKH-16-8(P)



Part Number	A	Ø B	Ø C	Ø D	E
SCKH-16-4(P)	36.0	18.2	12.7	6.4	M16×1.0P
SCKH-16-5(P)					
SCKH-16-8(P)					
SCKH-25-2(P)	50.0	28.0	21.5	11.0	M25×1.25P
SCKH-25-3(P)					
SCKH-25-4(P)					
SCKH-30-2(P)	54.0	33.0	25.0	13.0	M29×1.0P
SCKH-30-3(P)					
SCKH-30-8(P)					

SCKH Receptacle

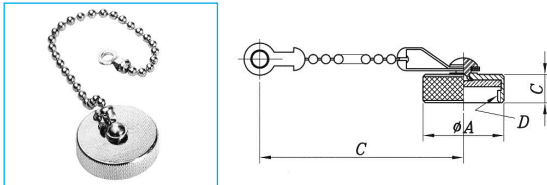
SCKH-16-8(R)



Part Number	A	Ø B	Ø C	Ø D	E	F
SCKH-16-4(P)	28.2	15.9	13.0	24.0	30.7	M16×1.0P
SCKH-16-5(P)						
SCKH-16-8(P)						
SCKH-25-2(P)	31.0	25.0	21.9	34.0	42.0	M25×1.25P
SCKH-25-3(P)						
SCKH-25-4(P)						
SCKH-30-2(P)	31.0	29.0	25.7	37.0	45.5	M29×1.0P
SCKH-30-3(P)						
SCKH-30-8(P)						

SCK Receptacle Cap

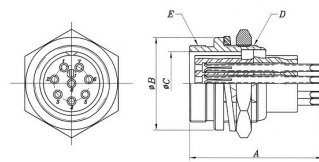
SCK-16(RC)



Part Number	A	Ø B	Ø C	Ø D
SCK-12(RC)	14.0	4.6	140	M12P×0.75
SCK-16(RC)	17.0	6.2	100	M16P×1.0
SCK-20(RC)	21.8	7.2	140	M19P×1.0
SCK-25(RC)	28.0	7.4	140	M25P×1.25
SCK-30(RC)	32.8	7.7	140	M39P×1.0
SCK-32(RC)	37.8	9.0	170	M34P×1.0
SCK-40(RC)	45.0	9.5	170	M41.5P×1.5

SCNH Receptacle

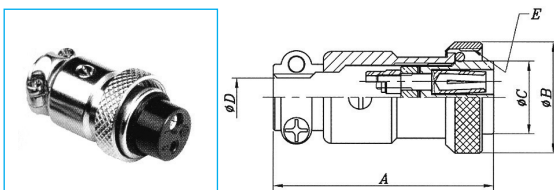
SCNH-16-8(R)



Part Number	A	Ø B	Ø C	D	E
SCNH-16-4(R)	20.6	18.8	13.0	M16×0.75P	M16×1.0P
SCNH-16-5(R)					
SCNH-16-8(R)					
SCNH-25-2(R)	22.0	23.0	15.9	M19×0.75P	M19×1.0P
SCNH-25-4(R)					

SCK Waterproof Plug

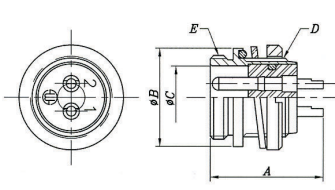
SCK-12-2(P,W)



Part Number	A	Ø B	Ø C	Ø D	E
SCK-12-2(P,W)	28.6	14.5	9.2	5.0	M13×0.75P
SCK-12-4(P,W)					

SCN Waterproof Receptacle

SCN-12-2(R,W)

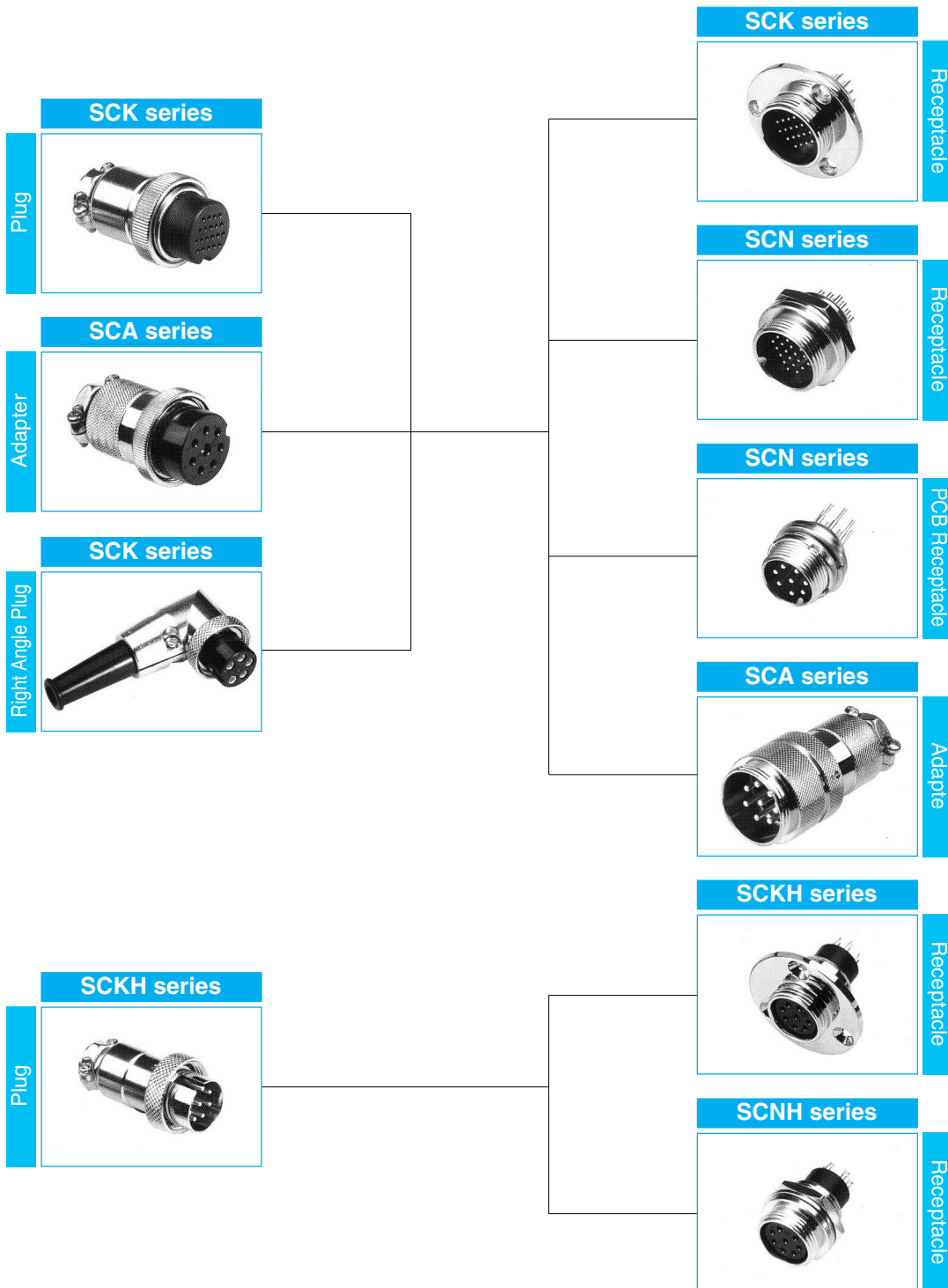


Part Number	A	Ø B	Ø C	D	E
SCN-12-2(R,W)	17.3	15.0	9.6	M12×0.75P	M13×0.75P
SCN-12-4(R,W)					

SCK, SCN Series

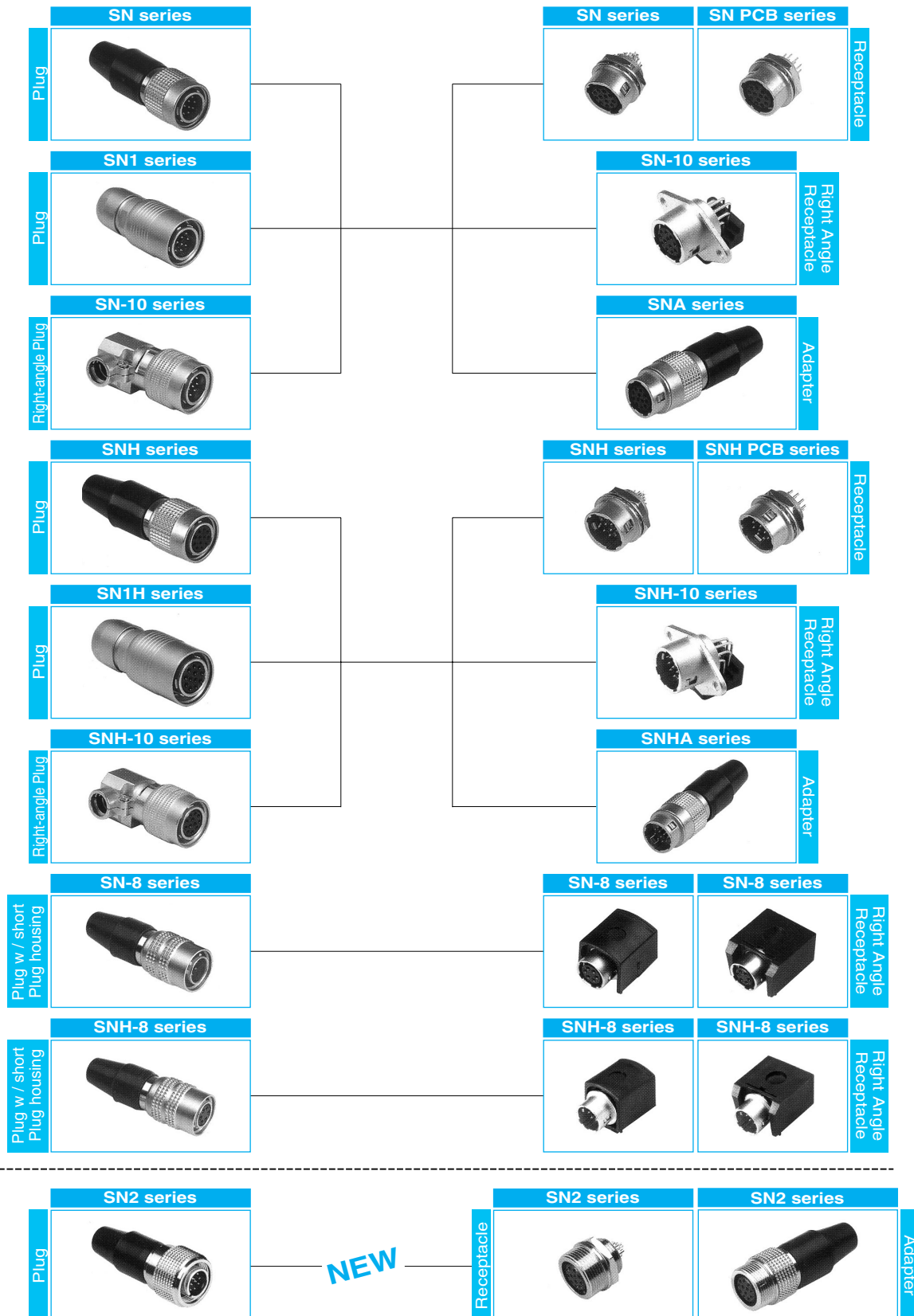


SCK / SCN Series Mini-map



SN Series

SCK / SCN Series Mini-map



SN Series



Features

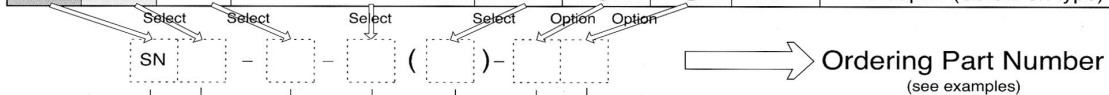
- Push-pull technology
- Miniature circular
- Light weight
- Low cost

Applications

- Professional audio and video
- CCTV system
- Portable wireless radio
- Factory Automation
- Computers and peripherals
- Medical, and much more.

Part Numbering

Part Number Series	Prefix	Size	Number of Contacts	Suffix	Optional Suffix		Contact Type	Notes	Page
					S	B			
SN	H	8 or 10	8 size : 4,5,6 10 size : 2,3,4,9,10,12	P / PS		●	P	Plug	30
				PL		●	P	Right-angle plug	30
				R	●	●	S	Receptacle	31
				RPCB	●	●	S	PCB receptacle	31
				LRPCB	●	●	S	Right-angle PCB receptacle	31
				P / PS		●	S	Plug	32
				PL		●	S	Right-angle plug	32
				R	●	●	P	Receptacle	33
				RPCB	●	●	P	PCB receptacle	33
				LRPCB	●	●	P	Right-angle PCB receptacle	33
				P		●	P	Plug (Clamp type)	30
				P		●	S	Plug (Clamp type)	32
					●	●	S	Adapter	31
					●	●	P	Adapter	33
				P		●	P	Plug (Screw-on type)	29
				R	●	●	S	Receptacle (Screw-on type)	29
					●	●	S	Adapter (Screw-on type)	29



Ordering Part Number
(see examples)

Examples

- SN - 8 - 4 (P)
SN series - Size 8 - 4 contact (Plug)
- SN - 8 - 6 (RPCB)
SN series - Size 8 - 6 contact (PCB Receptacle)
- SN - 8 - 6 (P) - SB
SN series - Size 8 - 6 contact (Plug) - Silver contact & Black plug housing
- SN1 - 10 - 12 (R) - S
SN1 series - Size 10 - 12 contact (Receptacle) - Silver contact
- SN2A - 10 - 2 - S
SN2A series - Size 10 - 2 contact - Silver contact
- SN - 8 - 4 (LRPCB) - S
SN series - Size 8 - 4 contact (Right-angle PCB Receptacle.) - Silver contact

Connector Series (Prefix)

- SN - SN Adapter
- SNH - Reverse contact
- SN1 - Clamp type plug
- SN1H - Clamp type & Reverse contact plug
- SNA - Adapter for SN Series
- SN2 - Screw-on type
- SN2A - Adapter for SN2 Series

Size

8,10

No. of Contacts

8 Size : 4,5,6 10 Size : 2,3,4,9,10,12

Body Type

- P : Plug PL : Right-angle Plug
- PS : Short Plug Housing
- R : Receptacle (solder termination)
- RPCB : Receptacle (PCB termination)
- LRPCB : Right-angle Receptacle (PCB)
- blank : Adapter

Option

- S : Silver contact
- B : Black plug housing

SN Series

Major Performances / Contact Arrangements

Size/No. of Contacts		Size 8			
Performance		4	5	6	
Withstanding Voltage (per min) ¹		AC 300V	AC 300V	AC 300V	
Current		2A	2A	2A	
Insulation Resistance (Minimum) ²		1,000M Ω	1,000M Ω	1,000M Ω	
Contact Resistance (Maximum) ³		10m Ω	10m Ω	10m Ω	
Solder Pot Inside Diameter (ϕ)		ϕ 0.8	ϕ 0.8	ϕ 0.8	
Contact Arrangement					

Size/No. of Contacts		Size 10					
Performance		2	3	4	9	10	12
Withstanding Voltage (per min) ¹		AC 500V	AC 500V	AC 500V	AC 500V	AC 500V	AC 500V
Current		3A	3A	3A	3A	3A	3A
Insulation Resistance (Minimum) ²		1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω
Contact Resistance (Maximum) ³		10m Ω	10m Ω	10m Ω	10m Ω	10m Ω	10m Ω
Solder Pot Inside Diameter (ϕ)		ϕ 0.8	ϕ 0.8	ϕ 0.8	ϕ 0.8	ϕ 0.8	ϕ 0.8
Contact Arrangement							

1 Withstanding voltage is the tested voltage value in this table.

2 Insulation resistance is measured at DC 100V.

3 Contact resistance is measured at DC 1A.

- Values are from tested items and may not apply to all connectors.
- Specifications subject to change without notice.
- Consult Sam Woo Electronics for the latest specifications.

Contact Diameter

○ 0.8mm ● 1.0mm

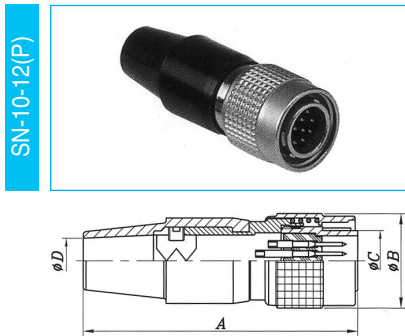
Material Used / Finish

		Material	Finish
Body		Zinc alloy and brass	Sn, Ni plate
Insulator		PA	Black
Contacts	Pin	Brass	Gold or Silver plate
	Socket	Phosphor bronze	Gold or Silver plate

SN Series

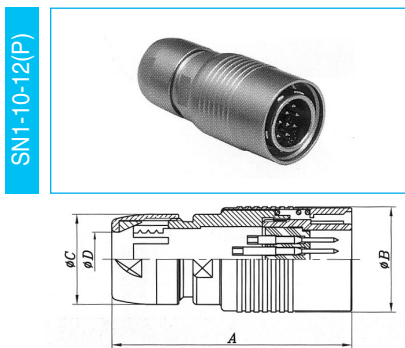


SN Plug



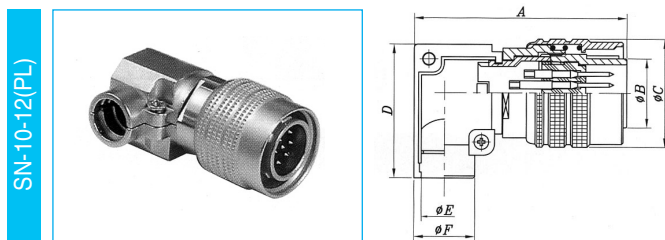
Part Number	A	ø B	ø C	ø D
SN-8-4(P)	35	11.5	7	5
SN-8-5(P)				
SN-8-6(P)				
SN-10-2(P)	43	14.9	9.4	7
SN-10-3(P)				
SN-10-4(P)				
SN-10-9(P)				
SN-10-10(P)				
SN-10-12(P)				

SN1 Plug



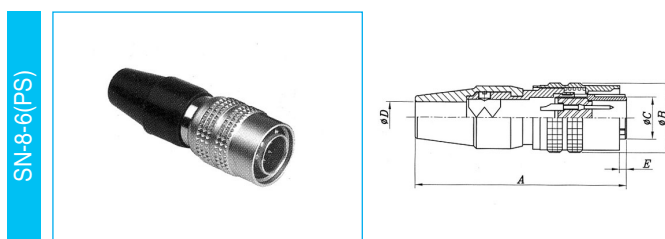
Part Number	A	ø B	ø C	ø D
SN-8-4(P)	28	11.0	9.0	5.2
SN-8-5(P)				
SN-8-6(P)				
SN-10-2(P)	32	14.0	12.0	7.2
SN-10-3(P)				
SN-10-4(P)				
SN-10-9(P)				
SN-10-10(P)				
SN-10-12(P)				

SN Right-angle Plug



Part Number	A	ø B	ø C	D	ø E	ø F
SN-10-9(PL)	29.0	14.9	9.4	18.2	6.3	8.3
SN-10-10(PL)						
SN-10-12(PL)						

SN Plug (Short plug housing)



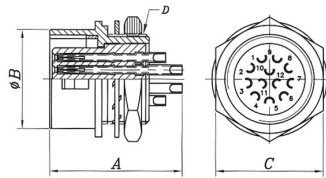
Part Number	A	ø B	ø C	ø D	E
SN-8-4(PS)	35.0	11.5	7.0	5.1	0.6
SN-8-6(PS)					

! SN Plug (Short plug housing) only mates with SN-8-4(LRPCB)K, SN-8-6(LRPCB)K, SN-8-4(LRPCB)K1, SN-8-6(LRPCB)K1.

SN Series

SN Receptacle

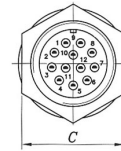
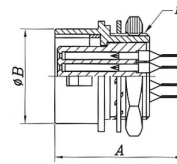
SN-10-12(R)



Part Number	A	øB	C	D
SN-8-4(R)				M18×1.0
SN-8-5(R)	14.5	8.8	10.0	
SN-8-6(R)				

Part Number	A	øB	C	D
SN-10-2(R)				
SN-10-3(R)	15			
SN-10-4(R)		11.9	13.0	M11×0.75
SN-10-9(R)				
SN-10-10(R)	16.5			
SN-10-12(R)				

SN PCB Receptacle



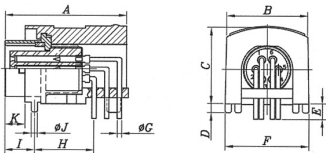
SN-10-12(RPCB)

Part Number	A	øB	C	D
SN-8-4(RPCB)				M8×0.5
SN-8-4(RPCB)	15.7	8.8	10	
SN-8-4(RPCB)				

Part Number	A	øB	C	D
SN-10-2(RPCB)				
SN-10-3(RPCB)				
SN-10-4(RPCB)		16.2	11.9	M11×0.75
SN-10-9(RPCB)				
SN-10-10(RPCB)				
SN-10-12(RPCB)				

SN Right Angle PCB Receptacle (Any Type)

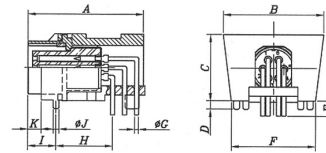
SN-8-6(RPCB)K



Part Number	A	B	C	D	E	F	øG	H	I	øJ	k
SN-8-4(LRPCB)K	19.2	12.8	12.0	1.3	2.4	13.2	0.7	9.4	4.7	1.0	3.2
SN-8-6(LRPCB)K											

SN-8-4(LRPCB)K, SN-8-6(LRPCB)K only mates with SN-8-4(PS), SN-8-6(PS) plugs.

SN Right Angle PCB Receptacle (Magic Type)



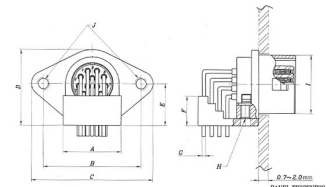
SN-8-6(RPCB)K1

Part Number	A	B	C	D	E	F	øG	H	I	øJ	k
SN-8-4(LRPCB)K1	19.2	16.7	11.0	1.3	2.4	14.0	0.7	9.4	4.7	1.0	2.2
SN-8-6(LRPCB)K1											

SN-8-4(LRPCB)K1, SN-8-6(LRPCB)K1 only mates with SN-8-4(PS), SN-8-6(PS) plugs.

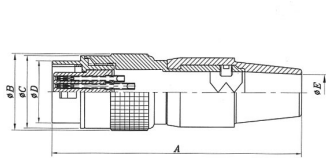
SN Right Angle PCB Receptacle

SN-10-12(RPCB)



Part Number	A	B	C	D	E	F	øG	H	øI	J
SN-10-12(LRPCB)	11.9	20	24.9	15.4	8.5	6	0.7	M2.0×0.4P	11.9	M2.6×0.45P

SNA Adapter



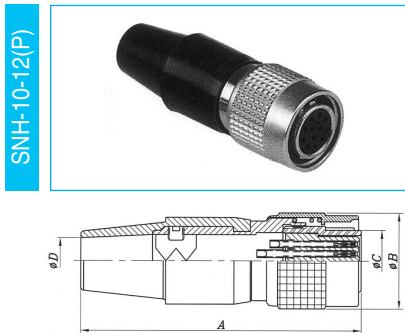
SNA-10-12

Part Number	A	øB	øC	øD	øE	Part Number	A	øB	øC	øD	øE
SN-8-4						SNA-10-2					
SNA-8-5	40.2	11.5	10.9	8.8	5.1	SNA-10-3					
SNA-8-6						SNA-10-4	48.0	14.9	13.9	11.9	7.0
						SNA-10-9					
						SNA-10-10					
						SNA-10-12					

SN Series

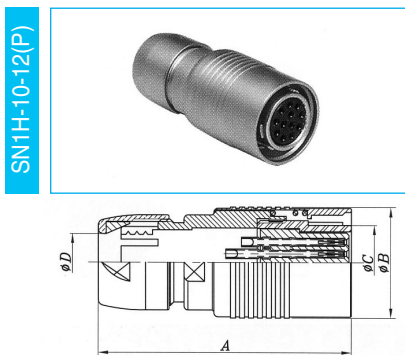


SNH Plug



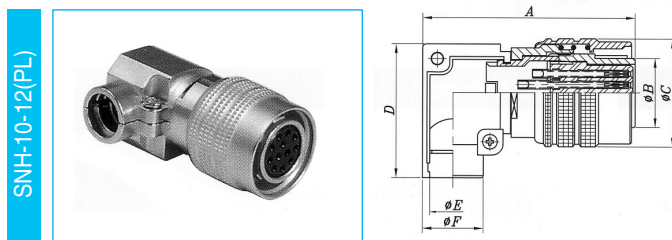
Part Number	A	ø B	ø C	ø D
SNH-8-4(P)	35	11.5	7	5
SNH-8-5(P)				
SNH-8-6(P)				
SNH-10-2(P)	43	14.9	9.4	7
SNH-10-3(P)				
SNH-10-4(P)				
SNH-10-9(P)				
SNH-10-10(P)				
SNH-10-12(P)				

SN1H Plug



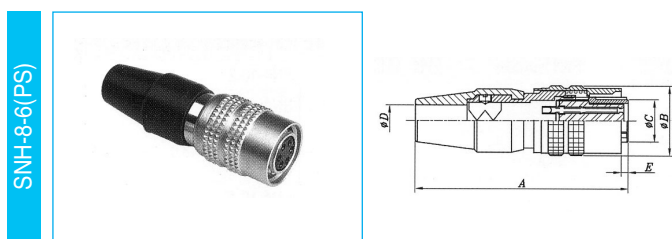
Part Number	A	ø B	ø C	ø D
SN1H-8-4(P)	28	11.0	9.0	5.2
SN1H-8-5(P)				
SN1H-8-6(P)				
SN1H-10-2(P)	32	14.0	12.0	7.2
SN1H-10-3(P)				
SN1H-10-4(P)				
SN1H-10-9(P)				
SN1H-10-10(P)				
SN1H-10-12(P)				

SNH Right-angle Plug



Part Number	A	ø B	ø C	D	ø E	ø F
SNH-10-9(PL)	29.0	14.9	9.4	18.2	6.3	8.3
SNH-10-10(PL)						
SNH-10-12(PL)						

SNH Plug (Short plug housing)



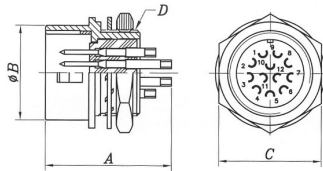
Part Number	A	ø B	ø C	ø D	E
SNH-8-4(PS)	35.0	11.5	7.0	5.1	0.6
SNH-8-6(PS)					

! SNH Plug (Short plug housing) only mates with SNH-8-4(LRPCB)K, SNH-8-6(LRPCB)K, SNH-8-4(LRPCB)K1, SNH-8-6(LRPCB)K1.

SN Series

SNH Receptacle

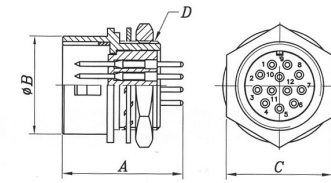
SNH-10-12(R)



Part Number	A	øB	C	D
SNH-8-4(R)				
SNH-8-5(R)	14.2	8.8	10.0	M8×0.5
SNH-8-6(R)				
SNH-10-2(R)				
SNH-10-3(R)				
SNH-10-4(R)	16.2	11.9	13.0	M11×0.75
SNH-10-9(R)				
SNH-10-10(R)				
SNH-10-12(R)				

SNH PCB Receptacle

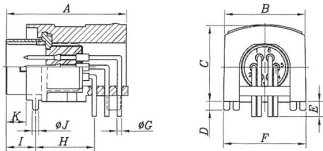
SNH-10-12(RPCB)



Part Number	A	øB	C	D
SNH-8-4(RPCB)				
SNH-8-5(RPCB)	15	8.8	10	M8×0.5
SNH-8-6(RPCB)				
SNH-10-2(RPCB)				
SNH-10-3(RPCB)				
SNH-10-4(RPCB)	15	11.9	13	M11×0.75
SNH-10-9(RPCB)				
SNH-10-10(RPCB)				
SNH-10-12(RPCB)				

SNH Right Angle PCB Receptacle (Any Type)

SNH-8-6(LRPCB)K

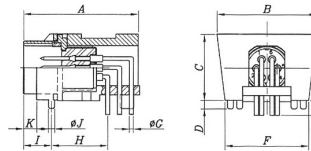
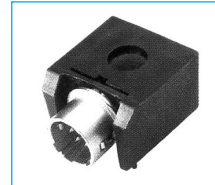


Part Number	A	B	C	D	E	F	øG	H	I	øJ	k
SNH-8-4(LRPCB)K	19.2	12.8	12.0	1.3	2.4	13.2	0.7	9.4	4.7	1.0	3.2
SNH-8-6(LRPCB)K											

SNH-8-4(LRPCB)K, SNH-8-6(LRPCB)K only mates with SNH-8-4(PS), SNH-8-6(PS) plugs.

SNH Right Angle PCB Receptacle (Magic Type)

SNH-8-6(LRPCB)K1

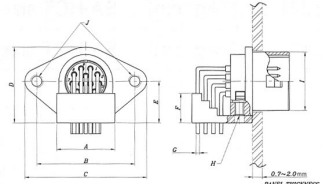


Part Number	A	B	C	D	E	F	øG	H	I	øJ	k
SN-8-4(LRPCB)K1	19.2	16.7	11.0	1.3	2.4	14.0	0.7	9.4	4.7	1.0	2.2
SN-8-6(LRPCB)K1											

SNH-8-4(LRPCB)K1, SNH-8-6(LRPCB)K1 only mates with SNH-8-4(PS), SNH-8-6(PS) plugs.

SNH Right Angle PCB Receptacle

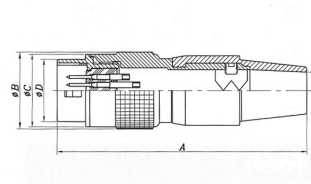
SNH-10-12(LRPCB)



Part Number	A	B	C	D	E	F	øG	H	øI	J
SNH-10-12(LRPCB)	11.9	20	24.9	15.4	8.5	6	0.7	M2.0×0.4P	11.9	M2.6×0.45P

SNA Adapter

SNHA-10-12



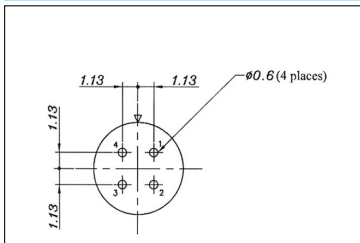
Part Number	A	øB	øC	øD	øE
SNHA-8-4					
SNHA-8-5	40.2	11.5	10.9	8.8	5.1
SNHA-8-6					
SNHA-10-2					
SNHA-10-3					
SNHA-10-4	48.0	14.9	13.9	11.9	7.0
SNHA-10-9					
SNHA-10-10					
SNHA-10-12					

SN Series

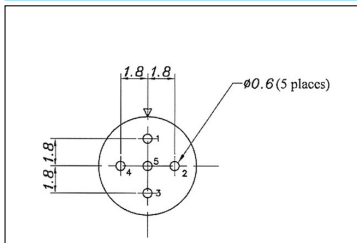


SN Receptacle PCB Hole Layout

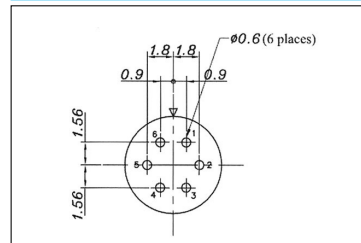
8 size - 4 core



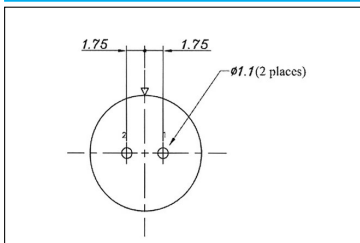
8 size - 5 core



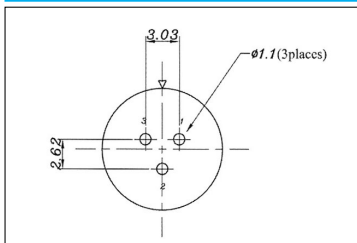
8 size - 6 core



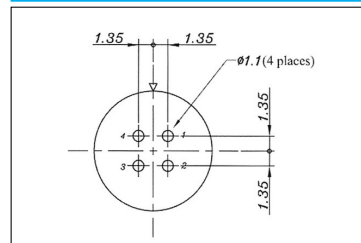
10 size - 2 core



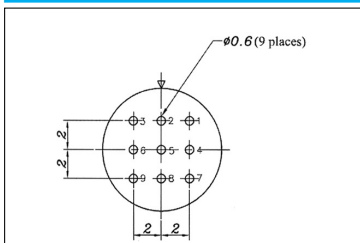
10 size - 3 core



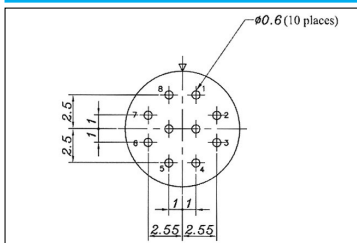
10 size - 4 core



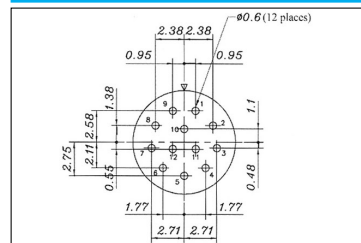
10 size - 9 core



10 size - 10 core

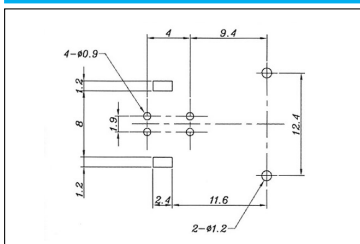


10 size - 12 core

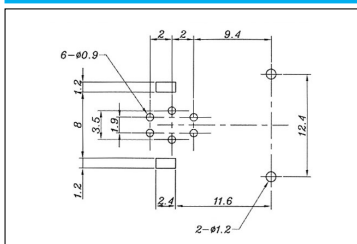


SN Receptacle Right Angle PCB Hole Layout

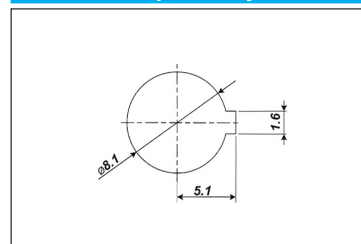
8 size - 4 core



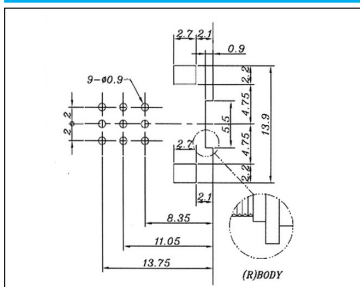
8 size - 6 core



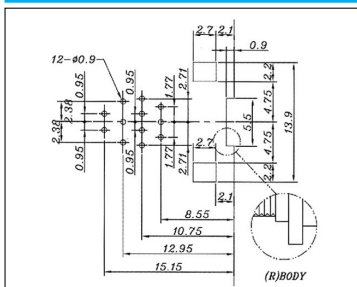
8 size panel layout



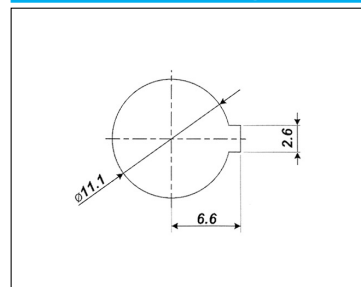
10 size - 9 core



10 size - 12 core



10 size panel layout



각종 Data Cable



시리얼 케이블 25P-9S



시리얼 케이블 9S-9S



시리얼 연장 케이블 9P-9S



공유기 연장 케이블 25S-25P



페러럴 케이블 25P-25P



모니터 15M-15M RGB



모니터케이블 15M-15M 1.2M



RGB-BNC 케이블



DVD 모니터 케이블



DVD 컴포넌트 케이블



GPIB 케이블



STP CAT6 랜케이블

각종 Data Cable



PS2 케이블 MDN6P-6P



PS2 연장케이블 MDN6S-6P



3.5 스테리오 케이블



USB A-A 케이블



USB A-A연장 케이블



USB A-B 케이블



RCA CABLE



RCA 3P CABLE



오디오 광케이블



광케이블 LC-ST



광케이블 SC-SC



광케이블 ST-ST