

TPS SERIES



**SPECIALTY
CONNECTOR CO., INC.**

The TPS series was designed for use in military communications and surveillance systems where space and weight limitations are critical. They are small size, rugged, three pin bayonet locking connectors with a nominal impedance of 50 ohms. They are covered by specifications MIL-C-55235. They operate satisfactorially up to 10 GHZ and will withstand severe environmental conditions.

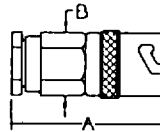
MATERIALS:	Brass per QQ-B-626 composition 22½ HD. Beryllium copper per QQ-C-530 heat treated to condition HT. Teflon per L-P-503 Rubber per ZZ-R-765
FINISHES:	Silver plating per QQ-S-365 Gold plating per MIL-G-45204 Proprietary bright nickel (IP23)
ELECTRICAL:	Impedance 50 ohms Insulation resistance: 50 Megohms Dielectric withstanding voltage: 1000 VRMS Contact resistance: Center 2.5 MILLIOHMS max. Outer 3.0 MILLIOHMS max. Frequency range: to 10 GHZ
ENVIRONMENTAL:	Temperature range: -65° to + 165°C Salt spray test per MIL-STD-202 (Method 101) Moisture resistance test per MIL-STD-202 (Method 106) Vibration MIL-STD-202 (Method 204) Shock: MIL-STD-202 (Method 213) Thermal shock: MIL-STD-202 (Method 107)

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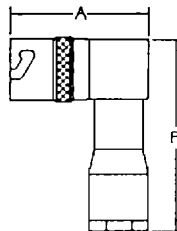
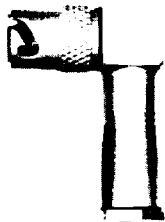
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TPS PLUG



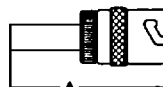
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
			A	B		
23P102-9		174	15/16	11/32	Straight Cut Style	AI-12
23P104-1	UG-1366/U	58C/U	15/16	11/32		AI-23
23P105-1	UG-1412/U	55,223	15/16	11/32	Gold Finish	AI-23
23P107-1		188	15/16	11/32		AI-54
23P107-2		195	15/16	11/32	Gold Finish Straight Cut Style	AI-54
23P110-1		59	13/64	7/16		AI-12

TPS PLUG — RIGHT ANGLE



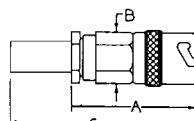
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
			A	B		
23P103-1		55,223	53/64	1-3/16	Gold Finish	AI-23
23P106-1		58C/U	53/64	1-3/16		AI-23
23P109-1		188	53/64	1-3/16	Gold Finish	AI-54
23P109-2		195	53/64	1-3/16		AI-54

TPS PLUG — SHORT CRIMP



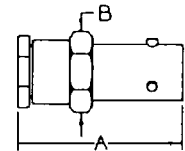
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension	Engr. Data	Assy. Inst.
			A		
23P111-1	174,187, 188	.128 HEX	1-7/64		AI-26
23P111-2	58	.213 HEX	1-7/64		AI-26

TPS PLUG — LONG CRIMP



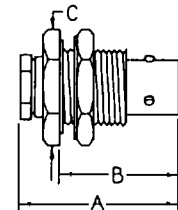
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension			Engr. Data
			A	B	C	
23P116-1	55,223	.213 HEX	15/16	11/32	1-7/16	Captive Contact

TPS JACK



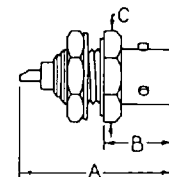
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
			A	B		
23J101-1	UG-1415/U	58C/U	15/16	3/8		AI-23
23J101-2	UG-1416/U	55,223	15/16	3/8		AI-23

TPS JACK — SINGLE HOLE MOUNT



S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
23JS102-1		59,62	1-7/64	11/16	9/16	D5		AI-23
23JS103-1	UG-1364/U	58C/U	7/8	11/16	9/16	D5		
23JS104-1	UG-1413/U	55,223	7/8	11/16	9/16	D5	Gold Finish	AI-23
23JS105-1		188	59/64	11/16	9/16	D5		
23JS105-2		195	59/64	11/16	9/16	D5	Gold Finish	AI-54
23JS107-1		122	59/64	11/16	9/16	D5		

TPS JACK RECEPTACLE — SINGLE HOLE MOUNT



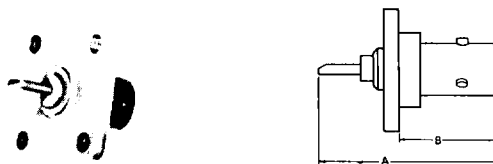
S/C Part No.	UG-/U No.	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
23JR100-1	UG-1443/U	1	13/32	7/16	D9	
23JR102-1		7/8	13/32	7/16	D9	
23JR103-2	UG-1365/U	1-7/64	13/32	7/16	D9	Gold Finish
23JR103-3		1-3/32	27/64	7/16	D9	
23JR104-1		1-7/64	11/16	9/16	D5	Reverse Mount - Gold Reverse Mount
23JR109-1		51/64	37/64	9/16	D5	

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TPS JACK RECEPTACLE — FLANGE MOUNT



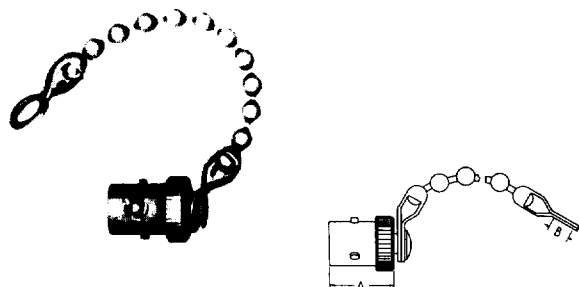
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
23JR105-1	3/4	25/64	4A	Gold Finish
23JR110-1	1	35/64	3A	
23JR111-1	23/32	5/16	3A	

TPS ADAPTER — PLUG-PLUG



S/C Part No.	Dimension		Engr. Data
	A	B	
23A101-1	1-5/32		Gold Finish

TPS JACK — CAP



S/C Part No.	UG-/U No.	Dimension		Engr. Data
		A	B	
23JC100-1	CW-768/U	7/16	.144	2-1/2" Chain

TPS PLUG — CAP



S/C Part No.	Dimension		Engr. Data
	A	B	
23PC100-1	43/64		Shorting Plug - No Chain
23PC101-2	31/64	.144	2-1/2" Bead Chain

TPS ADAPTER — JACK-JACK



S/C Part No.	Dimension		Engr. Data
	A	B	
23A102-1	1-3/32		Gold Finish

TPS ADAPTER — JACK-JACK — SINGLE HOLE MOUNT



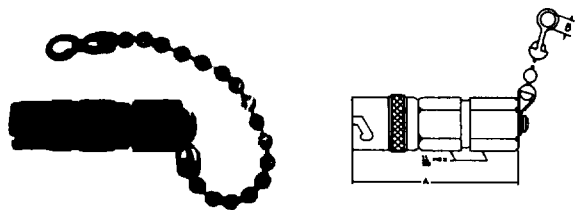
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
23AS100-2	1-3/32	11/16	9/16 HEX	D5	UG-1367/U
23AS101-1	1-13/64	13/16	9/16	D5	

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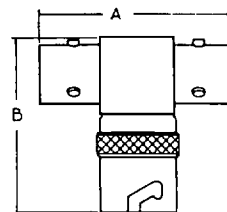
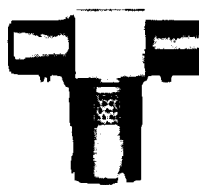
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TPS PLUG TERMINATION



S/C Part No.	Resistor 5%	Dimension		Engr. Data
		A	B	
23PO100-1	51 OHM 1/2 WATT	1-13/64	.144	3-1/2" Chain
23PO100-2	75 OHM 1/2 WATT	1-13/64	.144	3-1/2" Chain
23PO100-3	91 OHM 1/2 WATT	1-13/64	.144	3-1/2" Chain

TPS ADAPTER — TEE



S/C Part No.	Dimension		Engr. Data
	A	B	
23AT101-1	63/64	7/8	Gold Finish