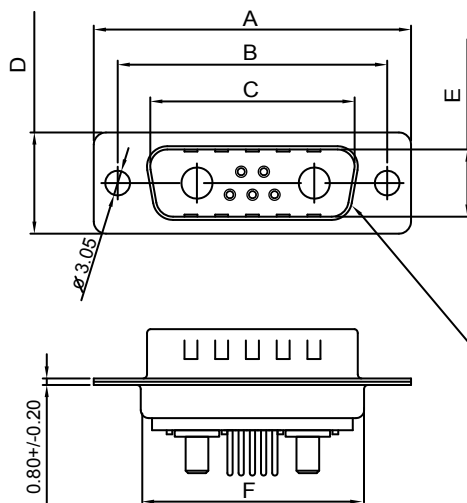




SHELL SIZES

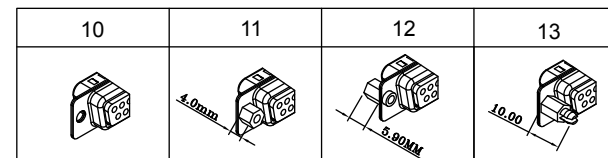
Shell Size	A ± 0.20mm	B ± 0.15mm	C ± 0.20mm	D ± 0.20mm	E ± 0.20mm	F ± 0.20mm	G ± 0.20mm	H ± 0.15mm
9	30.8	25	16.3	12.5	7.9	19.25	5.8	4.1
15	39.2	33.3	24.6	12.5	7.9	27.7	5.8	4.1
25	53.05	47.05	38.4	12.5	7.9	41.2	5.8	4.1
37	69.4	63.5	54.8	12.5	7.9	57.5	5.8	4.1
50	67	61	52.2	15.3	10.9	55	6	4.1

*5.30+/- 0.30

* OTHER CONTACT LENGTHS AVAILABLE
CONTACT SMP TECHNOLOGY INC.

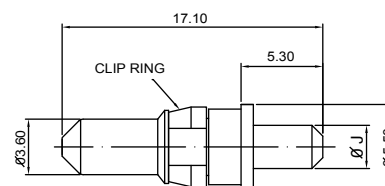
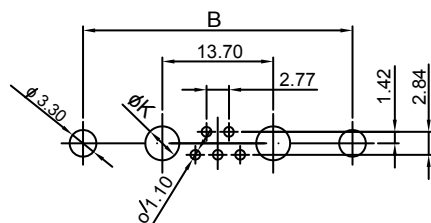
CONTACT ARRANGEMENT 7W2
SEE PAGE 3 FOR OTHER CONTACT ARRANGEMENTS

TABLE 1 - MOUNTING OPTIONS - (See Mounting Options - Page 2)



For Mounting Options 11, 12 & 13 with Locktite installed on inside threads - replace the "1" with the letter L.
Example: Option 11 with Locktite installed - use mounting option L1.

SEE PAGE 4 FOR OTHER PCB LAYOUTS



Power Contact - Male

TABLE - 2

CURRENT RATING	ØJ	ØK
10A	1.70	2.20
20A	2.80	3.30
30A	3.20	3.70
40A	3.75	4.20

MATERIAL & FINISH:

Shell: Steel Material, Front Shell Tin Finished
Back Shell Tin Finished
Dimples on plug only
Insulator: PBT Thermoplastic, 30% Glass Filled
Signal Contact: Copper Alloy, Full Gold
High Power Contact: Copper Alloy, 15u" Gold Plated

ELECTRICAL:

High Power Contact Current Rating: 10,20,30,40 AMPS
High Power Contact Resistance: 2.7 Milliohms MAX.
Dielectric Withstanding Voltage: 1000 VAC For 1 Minute
Insulation Resistance: 5000 Megaohms

HOW TO ORDER:

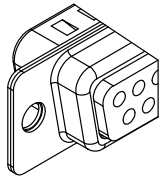
<u>P</u>	<u>X</u>	<u>4</u>	<u>2</u>	<u>0</u>	-	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	-	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>0</u>	-	<u>Z</u>			
<u>POWER CONTACT</u>				<u>ORIENTATION</u>				<u>MOUNTING OPTION</u>				<u>SIGNAL CONTACT PLATING</u>				<u>POWER CONTACT PLATING</u>				<u>RoHS COMPLIANT</u>	
3 - 10 AMP 4 - 20 AMP 5 - 30 AMP 6 - 40 AMP				2 - Vertical PCB Mount				See Table 1				1 - Full Au Flash 2 - 15 u"Au Over Ni 3 - 30 u"Au Over Ni 4 - 50 u"Au Over Ni				1 - Black 2 - White 3 - Green 4 - Blue				RoHS COMPLIANT	
<u>SIGNAL CONTACT</u>				<u>CONTACT ARRANGEMENT</u>				<u>SEE PAGE 3</u>				<u>SEE PAGE 3</u>				<u>SEE PAGE 3</u>				<u>INSULATOR COLOR</u>	
4 - Female Signal & Male Power				Example: 2W2 = 02W2 Arrangement 7W2 Shown Above 0																	

Rev	Drawn	Checked	Approved	Date	SMP TECHNOLOGY, INC.	
0 Issued	B.S.	S.M.	S.M.	11/11/10		
					Combo Power + Signal D - Sub Connector; Vertical Mount,	
					Female Signal Socket, Male Power Contact	
					P/N: PX420-XXXX-XXXXX0-Z	
TOL. DEC.	.X +/- 0.3	.XX +/- 0.20	.XXX +/- 0.10	ANGLE +/- 3°	UNIT: mm	Pg: 1 of 4

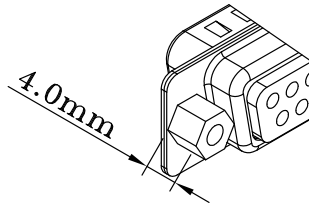
MOUNTING OPTIONS

POWER / COAX COMBO SERIES

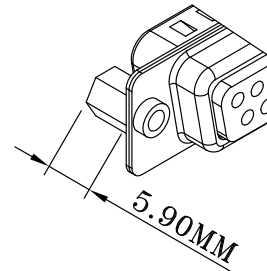
MOUNTING OPTION 10:
3.05MM DIAMETER MOUNTING HOLE



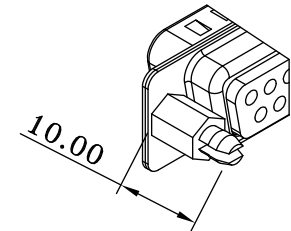
MOUNTING OPTION 11 :
RIVETED 4-40 SCREW LOCK ON
BACK SIDE OF SHELL



MOUNTING OPTION 12 :
RIVETED 4-40 SCREW LOCK ON
FRONT SIDE OF SHELL



MOUNTING OPTION 13:
RIVETED 4-40 SCREW LOCK ON
BACK SIDE OF SHELL



SHELL SIZE

CONTACT ARRANGEMENT

09



2WK2 (MALE)



2WK2 (FEMALE)



2W2



5W1

15



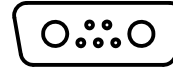
3WK3 (FEMALE)



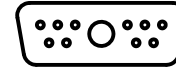
3WK3 (MALE)



3W3



7W2



11W1

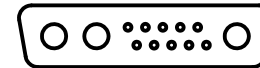
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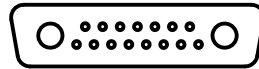
5W5



9W4



13W3



17W2



21W1

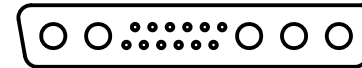
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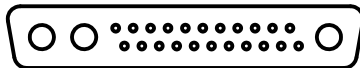
8W8



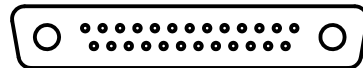
13W6



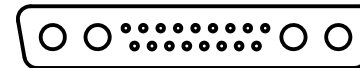
17W5



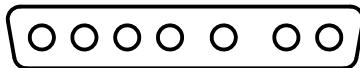
25W3



27W2



21W4

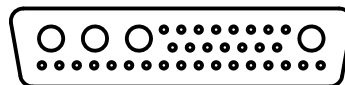


7W7

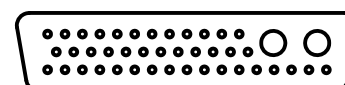
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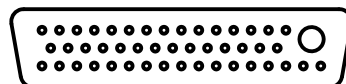
24W7



36W4



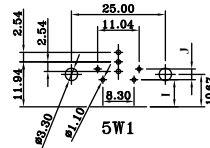
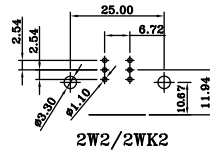
43W2



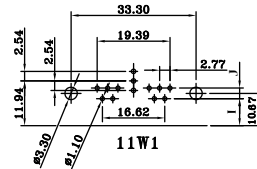
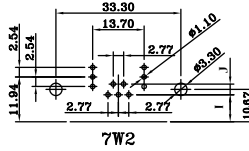
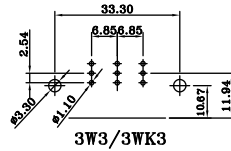
47W1

Footprint (I)	J
9.4	2.54
7.2	2.84

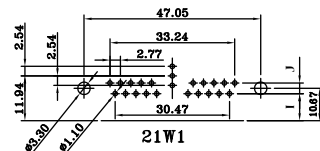
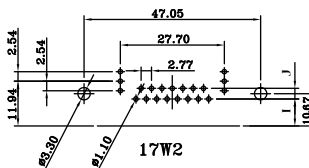
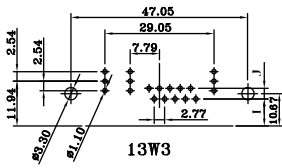
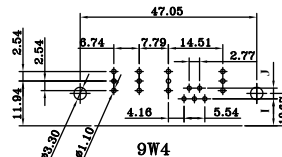
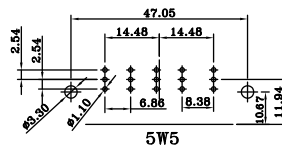
SHELL 09



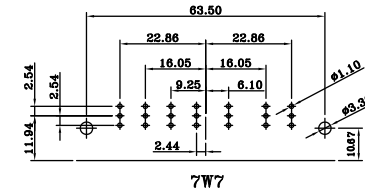
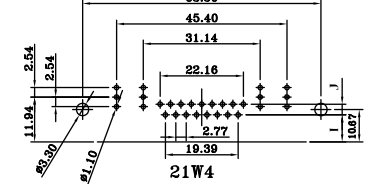
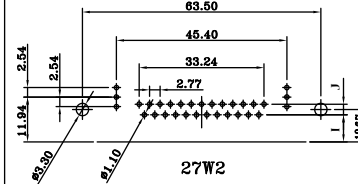
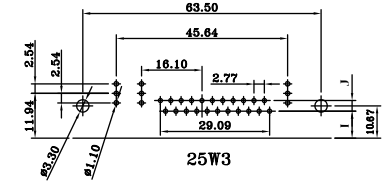
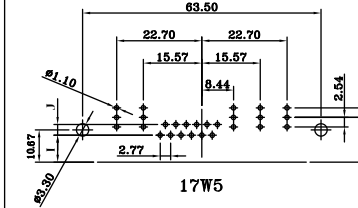
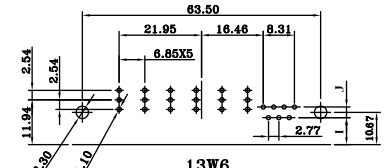
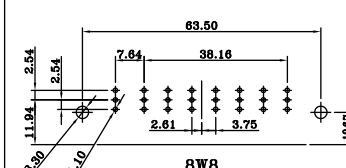
SHELL 15



SHELL 25



SHELL 37



SHELL 50

