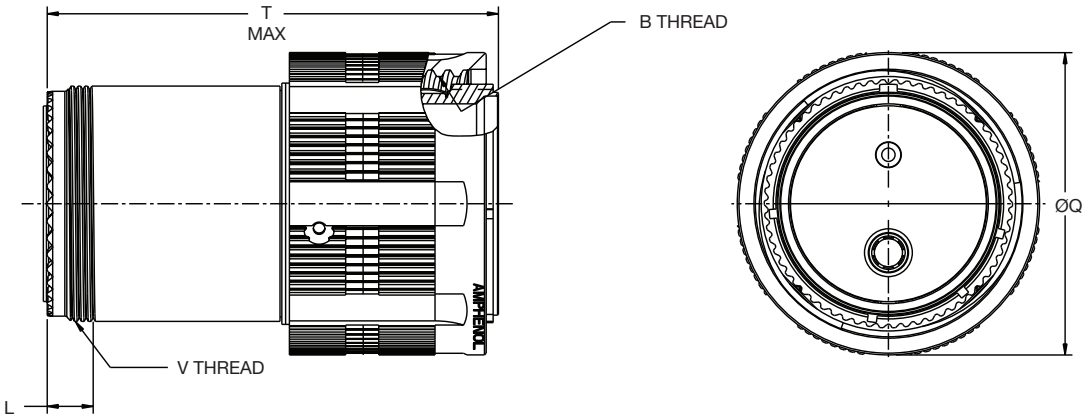
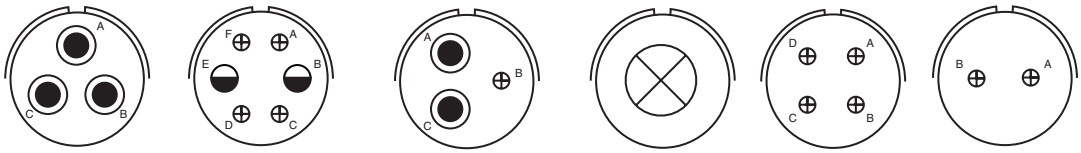
TVM06 Plug



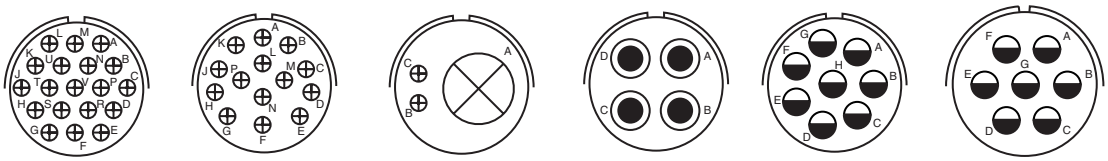
TVM06						
TVM06 Part Number	Shell Size	B Thread Class 2A	Ø Q Max	V Thread 9	L Min Full Threaded	T Max
TVM06RW-23L-( )	23L	1.5000-0.1P-0.3L-TS	1.750	M34X 1-6g0.100R	.280	2.579
TVM06RW-25L-( )	25L	1.6250-0.1P-0.3L-TS	1.875	M37X 1-6g0.100R	.280	2.579
TVM06RW-33-( )	33	1.8750-0.1P-0.3L-TS	2.203	M45X 1-5-6g0.188R	.594	2.579
TVM06RW-37-( )	37	2.1250-0.1P-0.3L-TS	2.391	M50X 1-5-6g0.188R	.594	2.579

CONTACT FOR PART NUMBER & AVAILABILITY
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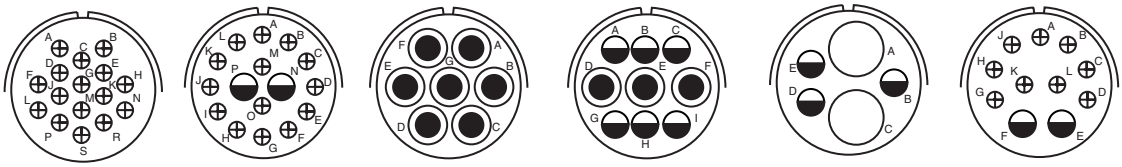
INSERT ARRANGEMENTS



Insert Arrangement	23L-2	23L-5		23L-6		23L-7	23L-10	23L-11
Service Rating	D	D		D		E	E	B
Number of Contacts	3	2	4	2	1	1	4	2
Contact Size	8	12	16	8	16	0	16	16



Insert Arrangement	23L-14	23L-19	23L-21		23L-22†	23L-23	25L-2
Service Rating	A	A	A		A	H=D, Bal.=A	D
Number of Contacts	19	14	1	2	4	8	7
Contact Size	16	16	0	16	8	123	12



Insert Arrangement	25L-5	25L-7		25L-10	25L-11		25L-12		25L-20
Service Rating	A	A		A	A		A		D
Number of Contacts	19	2	14	7	3	6	2	3	9
Contact Size	16	12	16	8	8	12	4	12	16



CONTACT LEGEND	8	10	12	16	20	22	22M	22D	23

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Amphenol
Aerospace

MATRIX 38999 CONNECTORS

PDS - 320



1000
- AMPS
- HOURS





Amphenol's Matrix 38999 series combines the best of the both 5015 and D38999 Military connectors. This new series uses Mil-Qualified inserts from Amphenol's Matrix 5015 series and combines them with the mechanical interface of D38999. Upgrade your EMI performance to D38999 levels without changing your 5015 pin-outs or cable assemblies.

New technologies are available including Amphenol high current contacts, AP-93 1000 hour salt spray plating, and the new SWAMP seal to prevent ingress of corrosive fluids into the mating thread area. Countless contact termination methods are available, and new pin outs and custom design are available via Amphenol's Tracer rapid prototyping service. Modern connectors for a more civilized age at Amphenol Aerospace.



AP-93 PLATING - 1000 HOUR ALT-TO-CAD

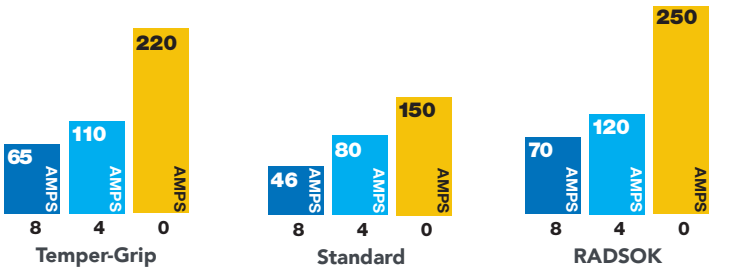


CORROSION INGRESS SEAL
(Patent Pending)

FEATURES:

- High Power Contact Technology – (RADSOK, TEMPERGRIP)
- Based off D38999 Series III connectors
- Improved durability of receptacle threads, fewer turns for full-mate
- 1000 HR Reach & RoHS plating available intermatable to Cadmium
- Rapid prototypes available through Amphenol Tracer Service

CURRENT CARRYING COMPARISON SIZES







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How to Order
Matrix 38999 Connectors

Amphenol Aerospace

1. Connector Type	2. Shell Style	3. Service Class	4. Shell Size-Insert Arrangement	5. Contact Type	6. Alternate Positions
TVM	00	DZ-	25L-20	P	B

1. CONNECTOR TYPE

TVM	Matrix 38999, Tri-Start Series III with 5015 Inserts

4. SHELL SIZE & INSERT ARRANGEMENT

PG 3-5	Insert Arrangements

Contact factory about High Voltage 5015 Inserts!



2. SHELL STYLE

00	Wall Mount Receptacle
07	Jam Nut Receptacle
06	Straight Plug
36	Straight Plug w/SWAMP Seal
96	Plug with Integral Banding Platform
80	Wall Mount with Integral Banding Platform
87	Jam Nut with Integral Banding Platform

5. SOCKET TYPE / PIN

SOCKET	
S	Standard Socket
R	RADSOK: Recommended up to 150°C*
T	Temper-Grip: Recommended for 200°C +*
PIN	
P	Pin
U	High Current Pin (TeCu)

*Size 12 & 16 are standard sockets

3. SERVICE CLASS

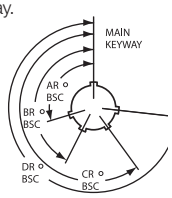
DR-	Electroless Nickel, Aluminum 48 hr. 200°C EMI shielding -65dB@10GHz RoHS®
DW-	Olive Drab Cadmium-500 hrs. salt spray, -65dB@10GHz
DT-	Durmalon: Gray non-reflective finish, RoHS® compliant cad & Hexavalent Chromium free. 500 hours extended salt spray, EMI -50db @ 10 GHz specification min.
DZ-	Black Zinc-Nickel alternative to cadmium. Corrosion resistant, 500 hour salt spray, conductive, EMI shielding -65db @ 10 GHz specification min*
DB-	Black Electroless Nickel, Aluminum, 48 Hr, 200°C, -65dB@10GHz, RoHS®
DS-	AP-93 Tri-Nickel Alloy, Aluminum, 1000 Hr., 200°C, -65dB@10GHz, RoHS®
RL-	Nickel Plated (Non-Firewall): 500 hrs. salt, -50dB@10GHz, RoHS®
RKN-	Passivated (Non-Firewall): 500 hrs. salt, -65dB@10GHz, RoHS®

6. ALTERNATE POSITIONS

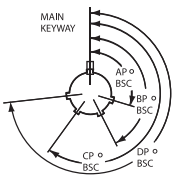
Shell Size	Key & keyway arrangement identification letter	AR° or AP° BSC	BR° or BP° BSC	CR° or CP° BSC	DR° or DP° BSC
23L, 25L, 33 and 37	N*	80	142	188	293
	A	135	170	188	310
	B	49	169	188	244
	C	66	140	188	257
	D	62	145	188	280
	E	79	153	188	272

A plug with a given rotation letter will mate with a receptacle with the same rotation letter. The angles for a given connector are the same whether it contains pins or sockets. Inserts are not rotated in conjunction with the master key/keyway.

RECEPTACLE
front face shown



PLUG
front face shown



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