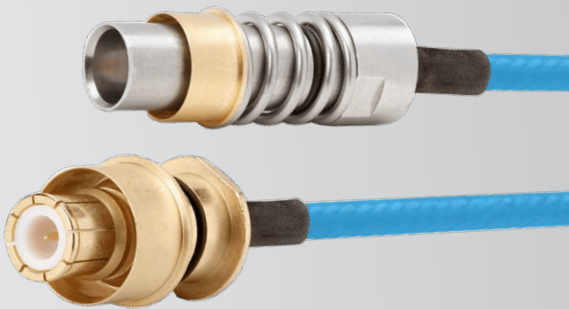


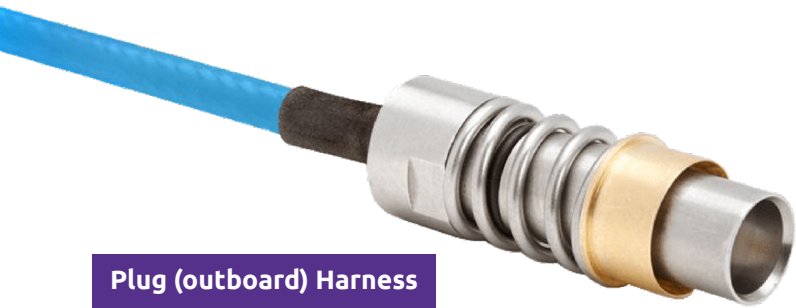


MEGAPHASE MEGA8 MULTI-PORT CONNECTOR SYSTEM



High-Performance RF Interconnects for the Harshest Conditions

The Mega8 multi-port connector system offers high performance RF interconnects, equivalent to Times Microwave M8 connectors, for use in both fixed and rotary winged airframes. Mega8 multi-ports meet the harsh requirements of MIL-T-81490 and MIL-C-87104 and are guaranteed to mate with other leading industry brands.

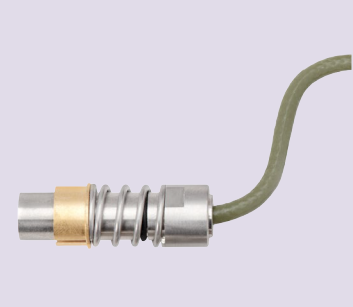


Plug (outboard) Harness



Receptacle (inboard) Harness

- Individually sealed connector housings and cable assemblies
- Spring loaded interfaces to ensure positive mating under the most extreme vibration
- Simple front release of individual cable assemblies
- Housings can accept a variety of cable assemblies including flexible, semi-rigid, HyperFlex™ up to .480 inches in diameter
- Available in various numbers of ports and housing configurations
- Keyed housings to allow for multiple housings on a single box
- Single jack screw housing mating feature
- Two standard plating options: Chemical Film and EN-PTFE

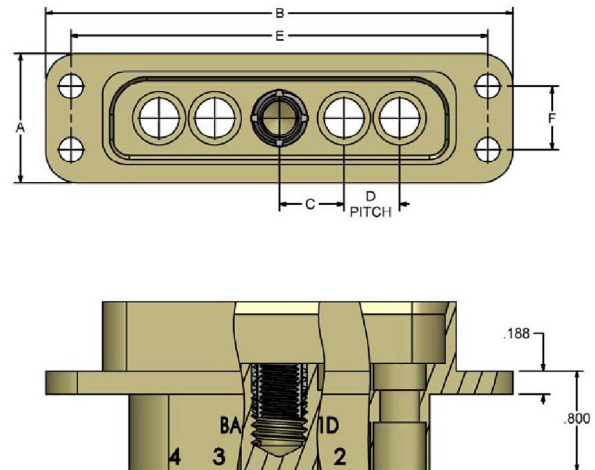
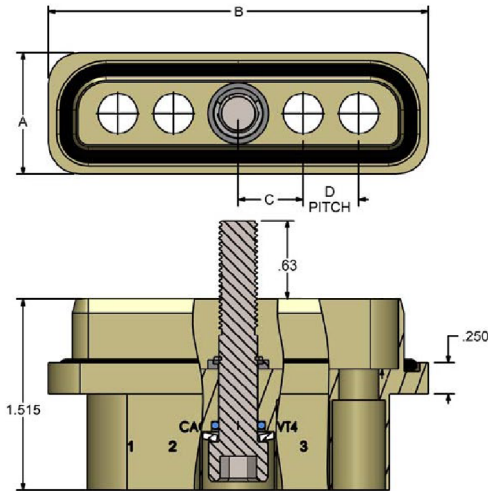
Mega8 Socket on HyperFlex™ HFX120 Cable	Insertion/Extraction Tool (PN TOS-M8-01)	Test Adapters Available	Seal and Keying Plug Available
			

Other connectors available upon request



MEGA8 MULTI-PORT CONNECTOR SYSTEM (CONTINUED)

Single Row Mega8 Shells with .440 and .585 Spacing:



PORT	P/N	ROW	A	B	C	D
4	BA-M81-0401	SINGLE	0.960	3.000	0.512	0.440
4	BA-M81-0402	SINGLE	1.035	3.410	0.585	0.585
6	BA-M81-0601	SINGLE	0.960	3.880	0.512	0.440
6	BA-M81-0602	SINGLE	1.035	4.580	0.585	0.585
8	BA-M81-0801	SINGLE	0.960	4.760	0.512	0.440
8	BA-M81-0802	SINGLE	1.035	5.720	0.585	0.585

PORT	P/N	ROW	A	B	C	D	E	F
4	BA-M82-0401	SINGLE	.960	3.000	.512	.440	.500	3.300
4	BA-M82-0402	SINGLE	1.035	3.410	.585	.585	.531	3.790
6	BA-M82-0601	SINGLE	.960	3.880	.512	.440	.500	4.180
6	BA-M82-0602	SINGLE	1.035	4.580	.585	.585	.531	4.960
8	BA-M82-0801	SINGLE	.960	4.760	.512	.440	.500	5.060
8	BA-M82-0802	SINGLE	1.035	5.720	.585	.585	.531	6.130

Three row, four row and special configurations are also available. Contact MegaPhase for details.

Materials

Component	Specification
Block	Aluminum per 6061-T6 or 6061-T651, SAE AMS-QQ-A-250/11, SAE AMS-QQ-A-225/8 or AMS 4027
Screw	Tool Steel D2 per ASTM A-681, UNS T30402, heat treat and temper to 39Rc/50Rc
Washer	SS303 per ASTM A-582, UNS S30300, passivation per SAE-AMS-QQ-P-35 or SAE-AMS-2700, Method 1, Typ 2
Gaskets	Fluorosilicone per ASTM D2000 Class FK or ASTM D1418 designation FVMQ

Finish

Code	Description
C	Chemfilm per MIL-C-5541, MIL-DTL-5541, or ASTM-B449 / ASTM-B921
E	PTFE — EN-PTFE plating NiSLIP™ 500

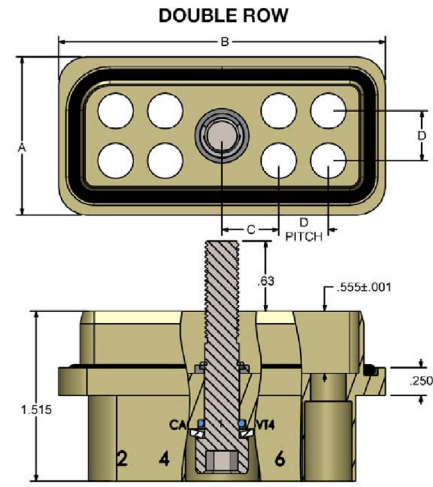
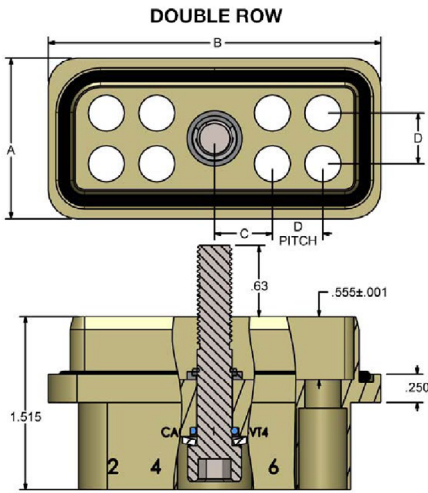
Part Number

Element	Meaning
BA-M81-xxxxY	Base part number format
xxxx	See prefix in part number column table
Y	Finish (plating)



MEGA8 MULTI-PORT CONNECTOR SYSTEM (CONTINUED)

Double Row Mega8 Shells with .440 and .585 Spacing:



PORT	P/N	ROW	A	B	C	D
4	BA-M81-0403	DOUBLE	1.400	2.020	0.504	0.440
4	BA-M81-0404	DOUBLE	1.620	2.030	0.507	0.585
8	BA-M81-0803	DOUBLE	1.400	2.900	0.504	0.440
8	BA-M81-0804	DOUBLE	1.620	3.200	0.507	0.585
12	BA-M81-1203	DOUBLE	1.400	3.780	0.504	0.440
12	BA-M81-1204	DOUBLE	1.620	4.370	0.507	0.585
16	BA-M81-1603	DOUBLE	1.400	4.660	0.504	0.440
16	BA-M81-1604	DOUBLE	1.620	5.540	0.507	0.585

PORT	P/N	ROW	A	B	C	D
4	BA-M82-0403	DOUBLE	1.400	2.020	0.504	0.440
4	BA-M82-0404	DOUBLE	1.620	2.030	0.507	0.585
8	BA-M82-0803	DOUBLE	1.400	2.900	0.504	0.440
8	BA-M82-0804	DOUBLE	1.620	3.200	0.507	0.585
12	BA-M82-1203	DOUBLE	1.400	3.780	0.504	0.440
12	BA-M82-1204	DOUBLE	1.620	4.370	0.507	0.585
16	BA-M82-1603	DOUBLE	1.400	4.660	0.504	0.440
16	BA-M82-1604	DOUBLE	1.620	5.540	0.507	0.585

Three row, four row and special configurations are also available. Contact MegaPhase for details.

Materials

Component	Specification
Block	Aluminum per 6061-T6 or 6061-T651, SAE AMS-QQ-A-250/11, SAE AMS-QQ-A-225/8 or AMS 4027
Screw	Tool Steel D2 per ASTM A-681, UNS T30402, heat treat and temper to 39Rc/50Rc
Washer	SS303 per ASTM A-582, UNS S30300, passivation per SAE-AMS-QQ-P-35 or SAE-AMS-2700, Method 1, Typ 2
Gaskets	Fluorosilicone per ASTM D2000 Class FK or ASTM D1418 designation FVMQ

Finish

Code	Description
C	Chemfilm per MIL-C-5541, MIL-DTL-5541, or ASTM-B449 / ASTM-B921
E	PTFE — EN-PTFE plating NiSLIP™ 500

Part Number

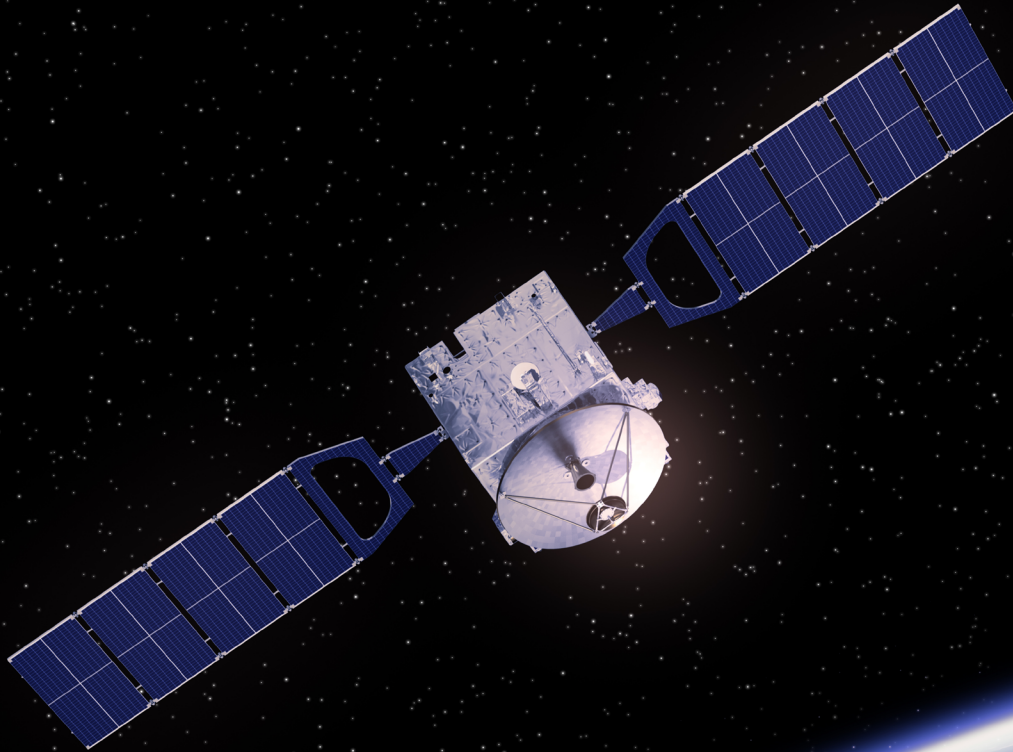
Element	Meaning
BA-M81-xxxxY	Base part number format
xxxx	See prefix in part number column table
Y	Finish (plating)





MegaPhase®

With the right connection anything is possible



Visit us at megaphase.com

About us

Founded in 1998 and headquartered in Stroudsburg, Pennsylvania, MegaPhase designs and manufactures high-performance RF coaxial cables and connectors for OEMs in critical markets including test instrumentation, defense, aerospace, telecommunications, and satellite systems. Serving more than 500 customers in 30 countries—including major technology leaders and the U.S. government—MegaPhase is best known for its industry-leading GrooveTube® technology, a breakthrough flexible cable design used in high-reliability, high-power, and phase-defined applications across ground, sea, air, and space platforms. All products are manufactured in-house, tested 100% in a state-of-the-art RF lab up to 110 GHz, and engineered to deliver exceptional phase stability, low loss, and long-term measurement repeatability, helping customers achieve more reliable results at a lower cost per measurement.

MegaPhase

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