Amphenol Pcd
New Product Bulletin

Luminus MP Series

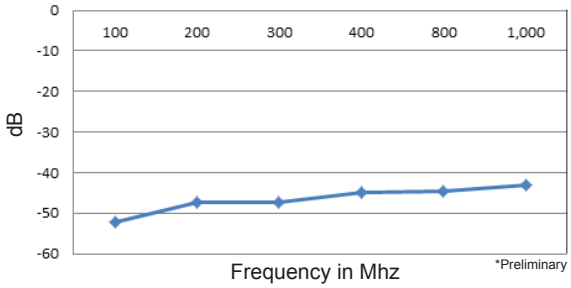
Amphenol Pcd is pleased to announce the availability of our latest innovation in light weight aerospace connection systems, **Luminus MP (Metal Plated) Series**. These twist & lock, "scoop-proof" connectors provide the same convenience and weight savings of the Luminus Series, with the added benefit of EMI shielding and protection from ambient noise transients.

EMI shielding is provided by an electroless copper and nickel plate, and a copper alloy spring finger gasket. Tests show greater than 50db of attenuation for low end signals (<100Mhz) and greater than 40db of attenuation for high end signals (<1Ghz). This level of isolation makes Luminus MP Series the ideal choice for AC wash lighting, fluorescent lighting, switching power supply systems, and inter-system connectivity signal paths, where protection against ambient noise transients is required. (DO-160G Section 21 categories B, L and M and DO-160G Section 20 categories S & T).

All existing Luminus Series configurations will be available in the MP style. Luminus MP Series samples are currently available in the 8-pin, 12-pin, and 25-pin configurations.



Attenuation



Jam Nut Receptacle

Amphenol Pcd is also pleased to announce the availability of our latest configuration in the Luminus Series twist & lock connection system, a circular **Jam Nut Receptacle** connector. This addition provides greater flexibility in application options, allowing for simple and secure panel PCB mounting.



Available in the Metal Plated or standard version, the Jam Nut Receptacle is ideal for power supply cases, power distribution panels, seat power distribution and modular power feed through applications where weight and cost are critical factors. Solder wash standoff feet and self-tapping screw holes enable PCB mounting. PCB mounting is useful for inter-system connectivity, where a rigid board-to-board connector is impractical.

Jam Nut Receptacle samples are currently available in the 12-pin and 25-pin configurations.

Features	*Benefits*
Molded plastic locking ring with anti-rotation (panel mounting)	Security in high vibration & shock environments
Solder wash standoff feet & two-thread cutting screws holes (PCB mounting)	Helps ensure solder joints do not bear stress during installation and pass through vibration and shock when panel mounted
Silicone O-ring	Environmental sealing and stack up tolerance
Optional metalized O-ring	Ensures case to connector EMI shielding
Electroless nickel plate	EMI Shielding for improve signal integrity

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New Configuration Part Numbers



Plugs & Receptacles

Part Number	Type	Color	Contact Qty	Contact Size	Shell Size	Inline Mate (crimp)	Square Mate (crimp)	Contact	Self-Adhesive Cradle	Screw-Mount Cradle	Strain Relief
SJS862300	Plug	White	3	20	7	SJS862400	SJS862450	M39029/57-354	SJS883000	SJS450100	SJS450300
SJS840410	Plug	White	4	16	8	SJS840400	SJS840430	M39029/57-354	SJS445000	SJS450100	na
SJS861100	Plug	White	10	16/22	10	SJS861200	SJS861230	M39029/57-354	SJS991000	na	na
SJS861800	Receptacle	White	6	22	7	SJS861700	na	M39029/58-360	SJS883000	SJS450250	SJS450300
SJS861700	Plug	White	6	22	7	SJS861800	na	M39029/57-354	SJS883000	SJS450250	SJS450300
SJS862100	Plug	Black	9	22	8	SJS862200	na	M39029/57-354	SJS445000	SJS450100	na
SJS862200	Receptacle	Black	9	22	8	SJS862100	na	M39029/58-360	SJS445000	SJS450100	na
SJS862300	Plug	Black	3	20	7	SJS862400	SJS862450	M39029/57-357	SJS883000	SJS450250	SJS450300
SJS862400	Receptacle	Black	3	20	7	SJS862300	na	M39029/58-363	SJS883000	SJS450250	SJS450300



Accessories

Part Number	Type	Color	Length (in)	Height (in)	Weight (g)	Shell Size
SJS257000	Self-Adhesive Cradle	Black	1.033	0.645	2.5	5
SJS445000		White	1.031	0.701	2.7	8
SJS883000		Black	1.031	0.701	2.7	7
SJS991000		White	1.031	0.846	2.8	10
SJS450100	Screw-Mount Cradle	Black	1.033	0.982	3.3	8
SJS450250		Black	1.033	0.976	3.9	7
SJS450300	Strain Relief	Black	0.95	0.539	0.6	7
SJS450400		Black	1	0.685	0.8	SJS8201xx & SJS8202xx
SJS450350		Black	0.95	0.539	0.6	7

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M39029/57-354 M39029/57-357 SJS445000 SJS840400 SJS840410 SJS991000 M39029/58-363 SJS883000 SJS861200 SJS861100 SJS450250