



MIL-DTL-55116 Audio Connectors

Battlefield-tested, industry-leading audio interconnect solutions trusted by our fighting forces for over 35 years.

COOPER Interconnect



Features

- Fully qualified to military specification.
- Complete product offering, *standard* and *custom* to meet specific needs.
- Metal and over-molded shell configuration.
- Spring-loaded, button-to-pad contact.
- J-Slot twist lock mating.
- Available with solder, crimp and PC tail contacts.
- Multiple filtered versions available.

Benefits

- Assures performance in the most demanding mission-critical applications.
- Durable in the most harsh environments.
- Sure, secure contact every time.
- Mounts stay in place, won't vibrate or pull loose.
- Configurations for every assembly requirement.
- Optimum performance in any environment.

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M55116 Audio Connectors

Specifications

Materials & Finishes	
Shells	Stainless steel, passivated, sandblasted
Panel Nuts	Stainless steel, passivated, sandblasted
	10-pin shells black passivated
Insert & Contacts	
Insert	Diallyl phthalate
Contacts	Copper alloy, 0.000050 gold over 0.001 nickel

Electrical	
Dielectric Strength	500 Volts RMS
Insulation Resistance	1000 Megohms min
Contact Resistance (mated)	0.05 Ohms, Max
	10-pin 0.015 Ohms, Max

Mechanical	
Air Pressure	2.5 psi
Water Immersion	40 hours at 6 ft
Mate/Unmate Durability	3000 cycles

Part Numbering System

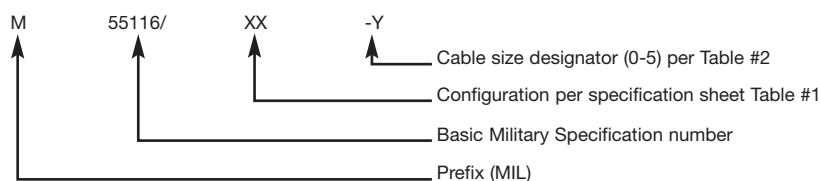


Table #1

MIL Spec	Cooper (CI) Part Number	Type	Mount	Contact Number	Termination	Strain Relief	Format/ Type
MIL-DTL-55116 /1	M55116/1- Y	Plug	Cable	5	Crimp Sleeve	Wire	U-229
MIL-DTL-55116 /2	M55116/2- Y	Plug	Cable	6	Crimp Sleeve	Wire	U-229
MIL-DTL-55116 /3	M55116/3- Y	Plug	Cable	5	Solder Cup	Wire	U-229
MIL-DTL-55116 /4	M55116/4- Y	Plug	Cable	6	Solder Cup	Wire	U-229
MIL-DTL-55116 /5	M55116/5- Y	Plug	Cable	5	Crimp Sleeve	Molded	U-182
MIL-DTL-55116 /6	M55116/6- Y	Plug	Cable	6	Crimp Sleeve	Molded	U-182
MIL-DTL-55116 /7	M55116/7- Y	Plug	Cable	5	Solder Cup	Molded	U-182
MIL-DTL-55116 /8	M55116/8- Y	Plug	Cable	6	Solder Cup	Molded	U-182
MIL-DTL-55116 /9	M55116/9- Y	Receptacle	Panel	5	Solder Cup Spring	n/a	U-183
MIL-DTL-55116 /10	M55116/10- Y	Receptacle	Panel	6	Solder Cup Spring	n/a	U-183
MIL-DTL-55116 /11	M55116/11- Y	Receptacle	Cable	5	Crimp Sleeve Spring	Wire	U-228
MIL-DTL-55116 /12	M55116/12- Y	Receptacle	Cable	6	Crimp Sleeve Spring	Wire	U-228
MIL-DTL-55116 /13	M55116/13- Y	Receptacle	Cable	5	Solder Cup Spring	Wire	U-228
MIL-DTL-55116 /14	M55116/14- Y	Receptacle	Cable	6	Solder Cup Spring	Wire	U-228



M55116 Custom

Table #2

"Y" Value	Cable Diameter (inches)
0	n/a
1	0.165 ± 0.010
2	0.228 ± 0.010
3	0.250 ± 0.010
4	0.290 ± 0.010
5	0.320 ± 0.010

Cooper (CI) Part Number	NSN
M55116/1-3	5935-01-373-6341
M55116/2-3	5935-01-465-3101
M55116/4-3	5935-01-412-4102
M55116/4-4	5935-01-383-4173
M55116/4-5	5935-01-383-4851
M55116/5	5935-00-462-3075
M55116/9-0	5935-01-304-6787
M55116/10-0	5935-01-356-8083
M55116/13-3	5935-00-929-7082
M55116/14-3	5935-01-512-5620

For more information, contact info@cooperinterconnect.com
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