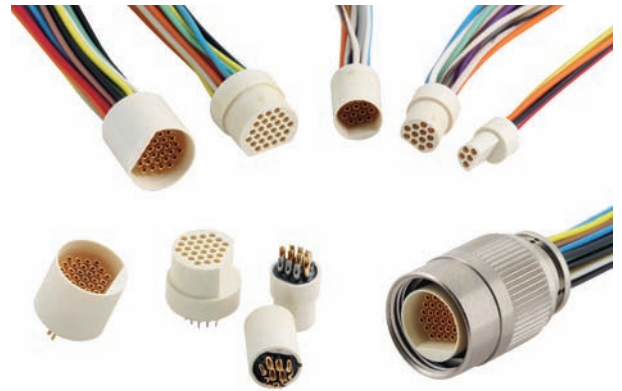


## Circular Plastic and Metal Shell Connectors

### Specification:

<b>Insulator:</b>	Thermoplastic Polyester per MIL-M-24519, Type GLCP-30F, Natural
<b>Contact Material:</b>	Pins - BerylliumCopper per ASTM B194, Alloy C17200 Socket - Copper Alloy per MIL-DTL-13513
<b>Contact Finish:</b>	Gold plate per ASTM B488, Type II (Hard Gold), Code C, Class 1.27 (.000050)
<b>Terminal Finish:</b>	Pin - Hard gold plate per MIL-G-45204 Socket - Hard gold plate per ASTM B488
<b>Wire - Standard:</b>	26 AWG, 7 Strand, Type E per NEMA HP3
<b>Shells:</b>	Brass per MIL-DTL-83513
<b>Shell Finish:</b>	Electroless Nickel per AMS-C-26074



### Features:

- Micro & Nano Offset Circular Connectors
- Sizes: 2 up to 27
- Standard Sizes are 5-12-27 pin
- All sizes with 18 inch [45,7cm] pre-wired leads
- Wiring is Colour Coded as per IAW MIL-STD-681, System 1, using ten solid repeating colours
- Sizes 5 & 12 also in Soldercup style

## Tested to and Passed the Following Performance Specifications of MIL-DTL-83513

Current Rating:	3 Amp max
Dielectric Withstanding Voltage:	600 VAC RMS
Insulation Resistance:	5000 Mohms min @ 500 VDC
Contact Resistance:	26 mOhms (65 mV) max @ 2.5 Amp
Mating/Unmating Force:	Forces not exceed 6 oz/contact
Temperature Cycling:	-55°C to +125°C, 5 cycles
Humidity (Mated):	IAW MIL-STD-1344, Method 1002.2, Type II, Omit Steps 7A & 7B
Vibration:	IAW-MIL-STD-1344, MMethod 205.1, Test Condition IV, 20 g's
Mechanical Shock:	IAW-MIL-STD-1344, Method 2004.1, Test Condition E, 50 g's
Durability:	500 cycles
Contact Resistance after Durability:	26 mOhms (65 mV) max @ 2.5 amp
Mating/Unmating after Durability:	Forces not to exceed 6 oz/contact
Salt Spray:	48 hrs IAW-MIL-STD-1344, Method 1001.1, Test Condition B
Contact Resistance after Salt Spray:	28 mOhms (70 mV) max @ 2.5 amp
Mating/Unmating force after Salt Spray:	Forces not to exceed 6 oz/contact
Contact Retention after Salt Spray:	Minimum of 2 lbs contact retention
Thermal Vacuum Outgassing:	NASA SP-R-0022
Solder Heat & Contact Retention:	360°C for 10 sec.
Solder ability:	MIL-STD-202, Method 208