

Shielded Cable Termination

End Launch Mount	124
PC Mount	123

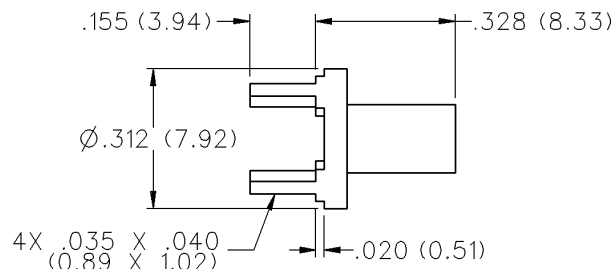
Shielded Test Jacks

Horizontal and Vertical	125
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Other Information

Assembly Instructions	205
Assembly Tools	189
Cable Assembly	199
Cable Information	200
Capabilities	198
Mounting Hole Layouts	201
Numerical Index	289
Ordering Information	2
Competitor Cross Reference	281

Flexible Cable - Straight Crimp Type

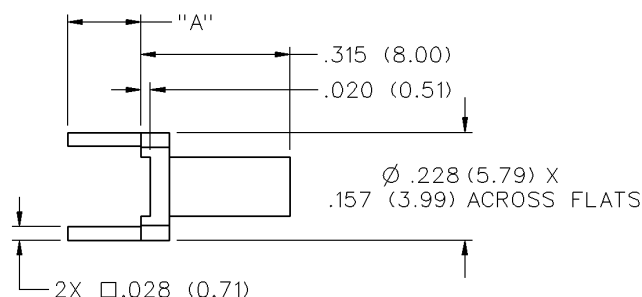


CABLE TYPE	GOLD PLATED	NICKEL PLATED
RG-161/U, 174, 179, 187, 188, 316	142-0003-201	142-0003-206
RG-316 DS, RG-188 DS	142-0004-201	142-0004-206

Assembly instructions page 242.

Mounting hole layout figure 3 page 201.

Flexible Cable - Straight Crimp Type

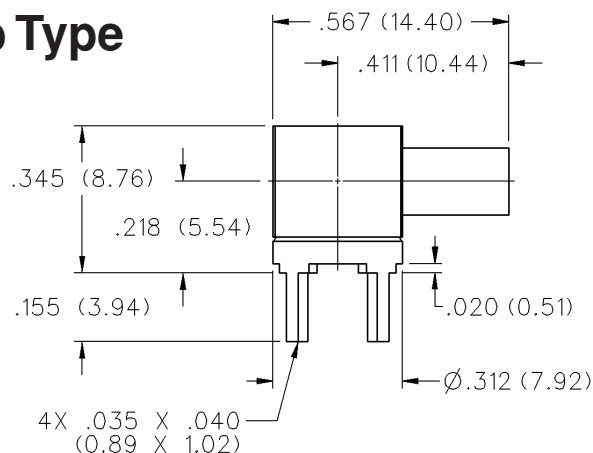


CABLE TYPE	GOLD PLATED	NICKEL PLATED	"A"
RG-178/U, 196	142-0002-221	142-0002-226	.110 (2.79)
RG-316/U, 188, 174, 161, 179, 187	142-0003-231	142-0003-236	.155 (3.94)
	142-0003-241	142-0003-246	.110 (2.79)
RG-316 DS, 188 DS	142-0004-211	142-0004-216	.155 (3.94)
	142-0004-221	142-0004-226	.110 (2.79)

Assembly instructions page 242.

Mounting hole layout figure 16 page 202.

Flexible Cable - Right Angle Crimp Type



CABLE TYPE	GOLD PLATED	NICKEL PLATED
RG-161/U, 174, 179, 187, 188, 316	142-0003-301	142-0003-306
RG-316 DS, 188 DS	142-0004-301	142-0004-306

Assembly instructions page 243.

Mounting hole layout figure 3 page 201.

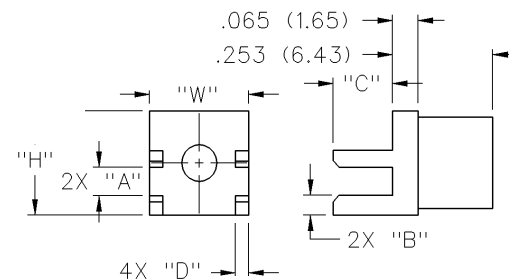
Shielded Cable Termination

End Launch Mount

INCHES (MILLIMETERS) • CUSTOMER DRAWINGS AVAILABLE ON REQUEST



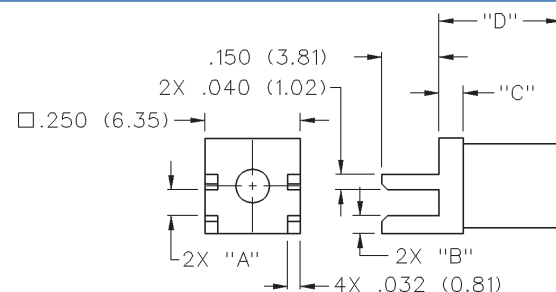
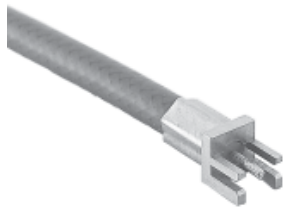
Semi-Rigid - Straight End Launch



CABLE TYPE	GOLD PLATED	BOARD THICKNESS	"A"	"B"	"C"	"D"	"H"	"W"
.086 Semi-Rigid	142-0093-801	0.062 (1.57)	0.068 (1.73)	0.046 (1.42)	0.150 (3.81)	0.032 (0.81)	0.250 (6.35)	0.250 (6.35)
.141 Semi-Rigid	142-0094-801	0.062 (1.57)	0.068 (1.73)	0.070 (1.78)	0.187 (4.77)	0.040 (1.02)	0.312 (7.92)	0.375 (9.52)
.250 Semi-Rigid	142-0096-801	0.062 (1.57)	0.068 (1.73)	0.053 (1.35)	0.187 (4.77)	0.050 (1.27)	0.312 (7.92)	0.375 (9.52)

Assembly instructions page 245. Cable Assembly Tools page 190.

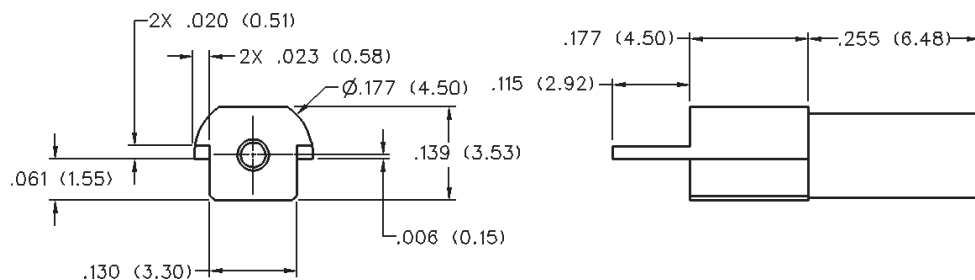
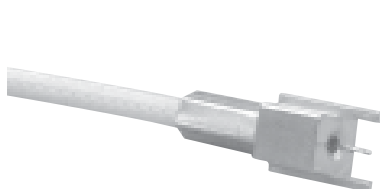
Flexible Cable - Straight Crimp Type End Launch



CABLE TYPE	GOLD PLATED	BOARD THICKNESS	"A"	"B"	"C"	"D"
RG-316/U, 188, 174, 161, 179, 187	142-0003-801	0.062 (1.57)	0.068 (1.73)	0.046 (1.02)	0.055 (1.40)	0.310 (7.87)
RG-316 DS, 188 DS, 179 DS, 187 DS	142-0004-801	0.062 (1.57)	0.068 (1.73)	0.046 (1.02)	0.065 (1.65)	0.320 (8.13)
RG-58/U, 141, 303	142-0007-801	0.062 (1.57)	0.068 (1.73)	0.037 (1.65)	0.065 (1.65)	0.320 (8.13)
RG-142/U, 55, 223, 400	142-0008-801	0.062 (1.57)	0.068 (1.73)	0.037 (1.65)	0.065 (1.65)	0.320 (8.13)
RG-178/U, 196	142-0002-811	0.047 (1.19)	0.053 (1.35)	0.065 (1.65)	0.065 (1.65)	0.320 (8.13)
RG-316/U, 188, 174, 161, 179, 187	142-0003-811	0.047 (1.19)	0.053 (1.35)	0.061 (1.55)	0.065 (1.65)	0.320 (8.13)
RG-316 DS, 188 DS, 179 DS, 187 DS	142-0004-811	0.047 (1.19)	0.053 (1.35)	0.061 (1.55)	0.065 (1.65)	0.320 (8.13)
RG-58/U, 141, 303	142-0007-811	0.047 (1.19)	0.053 (1.35)	0.052 (1.32)	0.065 (1.65)	0.320 (8.13)
RG-142/U, 55, 223, 400	142-0008-811	0.047 (1.19)	0.053 (1.35)	0.052 (1.32)	0.065 (1.65)	0.320 (8.13)

Assembly instructions page 244. Cable Assembly Tools page 190.

Flexible Cable - Straight Crimp Type Surface Mount End Launch



CABLE TYPE	GOLD PLATED
RG-178/U, 196	142-0002-821

Recommended land pattern figure 14 page 202.

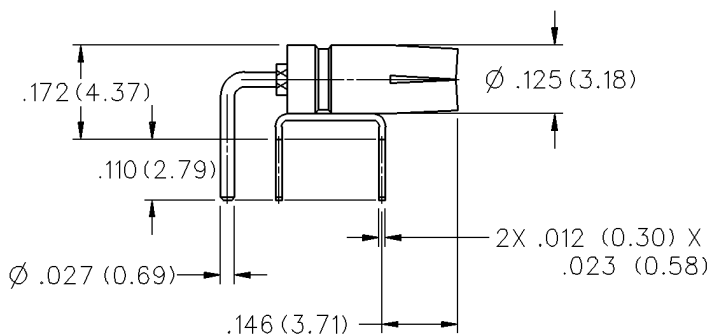
Assembly Instructions page 245.

Horizontal



TIN PLATED	GOLD PLATED
129-0701-301	129-0701-302

Mounting hole layout figure 18 page 202.

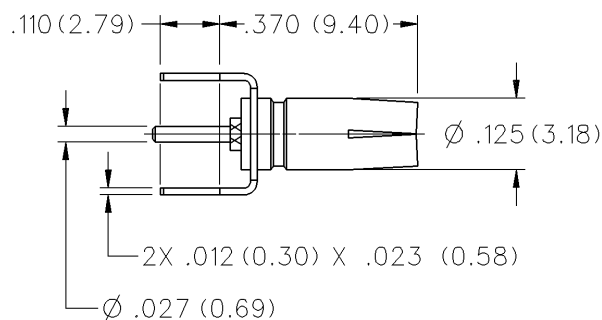


Vertical



TIN PLATED	GOLD PLATED
129-0701-201	129-0701-202

Mounting hole layout figure 17 page 202.



ELECTRICAL RATINGS

Impedance: 29 ohms
Frequency Range: 0 - 2 GHz
Working Voltage: 300 VRMS[†]
Dielectric Withstanding Voltage: 2000 VDC[†]
Contact Resistance: Center Contact: 6 milliohms
 Outer conductor: 2.5 milliohms

MECHANICAL RATINGS

Insertion Force: Inner conductor: 32 oz. max. 2 oz. min.
 Outer conductor: 48 oz. max. 6 oz. min.
Durability: 250 cycles

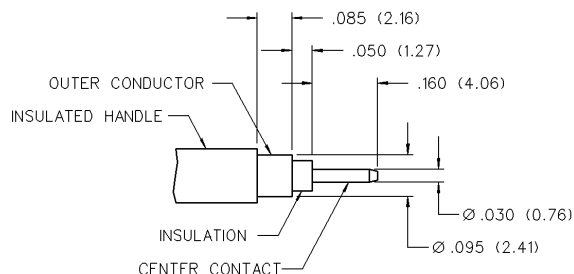
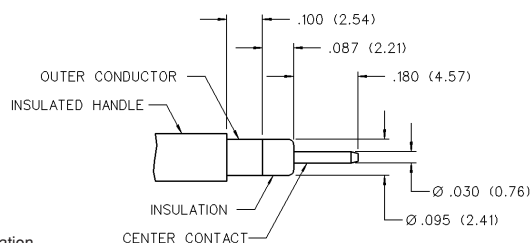
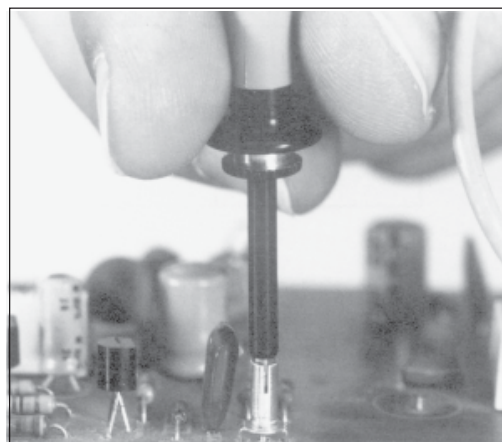
ENVIRONMENTAL RATINGS

Temperature Range: -65° C to + 85° C
Corrosion: Salt spray, 24 hours
Shock: Method 213, Test Condition B, MIL-STD-202
Vibration: Method 204, Test Condition B, MIL-STD-202

MATERIAL SPECIFICATIONS

Contact: Beryllium copper per QQ-C-533/530
Insulator Material: TFE Fluorocarbon per L-P-403
Finish: Center Contact and Body: Bright Tin or Gold

SHIELDED TEST JACK INTERFACE - TYPICAL PROBE TYPE



[†]Avoid user injury due to misapplication.
 See safety advisory definitions inside front cover.