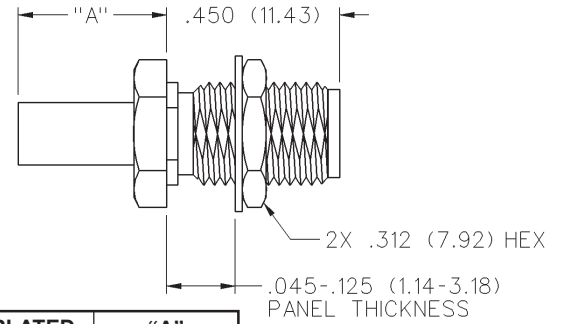


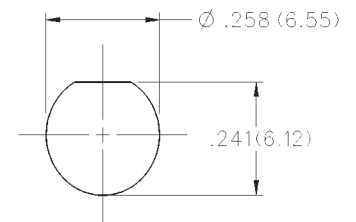
SMA 50 Ohm Straight Crimp Type Bulkhead Jack (3-piece) - Solder or Crimp Captivated Contact



CABLE TYPE	VSWR & FREQ. RANGE	GOLD PLATED	NICKEL PLATED	"A"
RG-161/U, 174,188, 316 LMR-100, HPF-100, RF-100	1.15 + .02 f (GHz) 0-12.4 GHz	142-0303-411	142-0303-416	.385 (9.78)

1. Identify connector parts. (3 piece parts - except bulkhead)
2. Strip cable to dimensions shown. Do not nick braid or center conductor. Tin center conductor if contact will be solder attached. Do not tin center conductor if contact is to be crimp attached. When stripping LMR-100 low loss cable, remove foil back to where cable jacket is stripped. A wire stripper of correct size is recommended for this step. Slide heat shrink (as applicable) and crimp sleeve onto jacket of cable.
3. Assemble contact onto cable as shown.
Solder Attachment: Solder contact to center conductor through solder hole using .020 (0.51) diameter solder. Use a minimum amount of solder for a good joint.
Crimp Attachment: Crimp contact to center conductor using Johnson Components™ Hand Tool 144-0000-910, setting #2, with positioner 141-0000-907. Crimp location should be centered between end of contact and X-hole. Crimp attachment to solid center conductor cables is not recommended.
4. Flare braid and slide body assembly over contact and under braid. Then seat body assembly firmly onto contact. The cable may have to be held in a clamping fixture. Arrange braid uniformly around crimp stem. Slide crimp sleeve forward and crimp using recommended crimp tool. Slide heat shrink forward and shrink (as applicable).

Mounting hole layout



CABLE GROUP	PART NUMBER	CRIMP HEX
RG-316/u, 161, 174, 188; LMR-100	142-0303-411/416	.128 (3.25)

