

■ 15 KVDC operating voltage, up to 70,000 feet [21,336 m] Current carrying capacity — 7.5 A continuous per line for

Metal shell available for complete shielding and rugged operation Molded-in Size 20 contacts are fully shrouded Molded glass epoxy and silicone rubber interface for

Product Facts

20 AWG wire

positive sealing Polarized plug and receptacle housings help prevent mismating Designed to meet applicable

specifications Hermetically sealed receptacles available Operating temperature range from -67°F to +257°F

[-55°C to +125°C] Moisture resistant

Corona resistant

Product Specification -

108-36030

LGH High Voltage Connectors



7-Pin, Metal-Shell Circular Connectors, Military-Type



AMP 7-Pin Miniature Circular Connectors, when properly assembled and mated, safely carry 15 KVDC (pin-to-pin and pin-toground) through a full range of military environmental requirements. The connectors can carry a continuous current of 7.5 amperes per line when terminated to 20 AWG wire. The receptacle

is hermetic and can be mounted with an O-ring flange or solder flange for various industrial and military applications.

This connector family features size 20 gold-plated pins and sockets which are fully shrouded for safe handling, polarized housings to assure proper mating, and

a molded glass epoxy and silicone rubber interface for positive sealing.

AMP 7-Pin Miniature Circular Connectors are available in a wide variety of configurations, including a metal shell version for RFI shielding and rugged handling.

Ø 1.47

UK: 44-208-420-8341

[37.5] $[914.4 \pm 25.4]$ "O"–Ring .06 [1.5] R. Hex Nut 1.50 [38.1] Ref #1-28 Un Thd. .515 [13.08] Ø 1.03 #16 AWG Ø.161 Ref Potting [26.19] 1.25 Silicone Insulated [4.10] Typ Shrink Tubing Typ [31.7] Lead Wire 7 Plcs. Recommended .640 Housing [16.26] Size 20 Socket Panel Cutout Mat'l: Epoxy Mldg. Cmpd. Color: Black Contacts, 7 Plcs Part Number 867862-1 RoHS Part Number 5-867862-1 Dimensions are in inches and Dimensions are shown for Catalog 1308940 USA: 1-800-522-6752 South America: 55-11-2103-6000 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013 Canada: 1-905-470-4425 Revised 8-06 millimeters unless otherwise reference purposes only

36.00 ± 1.00

Receptacle Lead Assembly

www.tycoelectronics.com

specified. Values in brackets are metric equivalents.

Specifications subject to change.

Mexico: 52-55-1106-0800 C. America: 57-1-254-4444 6-39



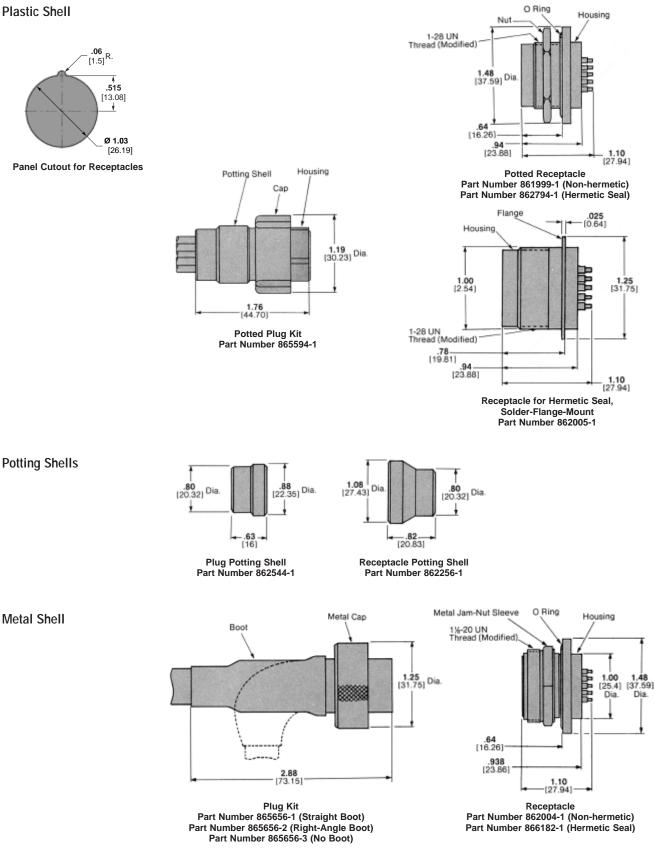
LGH High Voltage Connectors



Electronics

7-Pin, Metal-Shell Circular Connectors, Military-Type (Continued)





www.tycoelectronics.com

Catalog 1308940

Revised 8-06

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

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