Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Pomona Electronics](#)
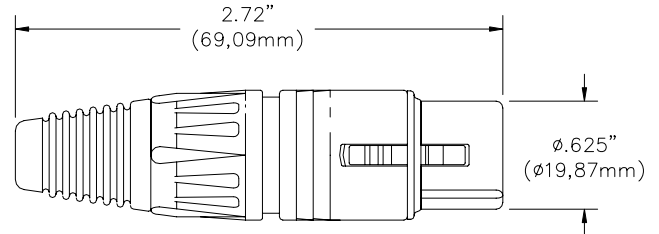[6850](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

Pomona E L E C T R O N I C S

Technical Data Sheet

Models 6850
3-Pin XLR (F), Gold Contacts, Black Nickel Plating

Model 6850 3-Pin XLR (F), Gold contacts, black nickel plating

2.72"
(69,09mm)

ø.625"
(ø19,87mm)

Use Pomona XLR's to connect your audio applications.

Features

- Three-pin XLR jack.
- Black streamlined profile with compact shell. Rugged construction.
- Handles 14 AWG (2.0 mm^2 max.).
- Low contact resistance.
- Solderable.

Materials

- Body is made of die cast zinc alloy with tarnish resistant black nickel finish.
- Contacts are gold-plated brass.
- Strain relief clamp designed for durability: POM (Polyoxymethylene).

Ordering Information

Model: 6850

Specifications

Number of contacts	3
Contact resistance	≤ 3 mΩ
Dielectric strength	1500 V dc
AWG	14 AWG / 2.0 mm^2 max.
Pull strength	45 lbs. (typical)
Cable O.D. range	3.0 mm – 6.5 mm (0.118" to 0.255")

All dimensions are in inches. Tolerances (except noted): .xx = ±.02" (,51 mm), .xxx = ± .005" (,127 mm). All specifications are to the latest revisions. Specifications are subject to change without notice. Registered trademarks are the property of their respective companies.

Technical Data Sheet

Models 6850
3-Pin XLR (F), Gold Contacts, Black Nickel Plating
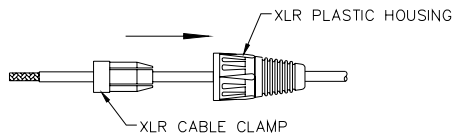
### Cable Assembly Instructions

1. CUT CABLE END EVENLY AND PERPENDICULAR

   EVEN CUT
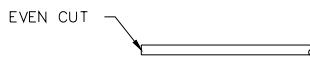
2. STRIP CABLE TO DIMENSIONS SHOWN.

   .500

3. SLIDE PLASTIC HOUSING AND CABLE CLAMP OVER CABLE IN DIRECTION SHOWN.
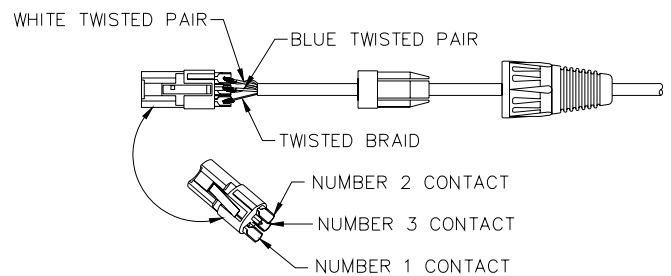
   XLR PLASTIC HOUSING

   XLR CABLE CLAMP

4. REMOVE BRAID AND FILLER EVEN WITH CABLE JACKET. SEPARATE GROUND FROM INNER WIRES AND TWIST. STRIP WHITE AND BLUE WIRES TO 3/16".

   3/16"

   TWISTED GROUND WIRE
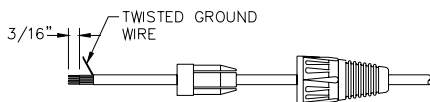
5. TWIST STRIPPED WHITE WIRES TOGETHER AND TIN. TWIST STRIPPED BLUE WIRES TOGETHER AND TIN. TWIST AND TIN GROUND WIRE.

   TIN TWISTED WIRES

   TIN GROUND WIRE

   TIN TWISTED WIRES
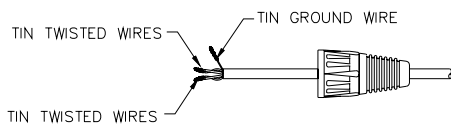
6. SOLDER GROUND WIRE TO THE NUMBER 1 CONTACT (CONTACT NUMBERS PRINTED ON PLASTIC HOUSING).
   SOLDER WHITE TWISTED PAIR TO NUMBER 2 CONTACT.
   SOLDER BLUE TWISTED PAIR TO NUMBER 3 CONTACT.

   WHITE TWISTED PAIR

   BLUE TWISTED PAIR

   TWISTED BRAID

   NUMBER 2 CONTACT

   NUMBER 3 CONTACT

   NUMBER 1 CONTACT

7. SLIDE CABLE CLAMP FORWARD OVER SOLDERED CONNECTION AND LINE UP THE KEYS (SLOTS) AS SHOWN. LINE UP GROOVES FROM CABLE CLAMP AND METAL HOUSING. SLIDE CABLE CLAMP ASSEMBLY INTO METAL HOUSING.

   GROOVES FROM CABLE CLAMP

   GROOVE (METAL HOUSING)
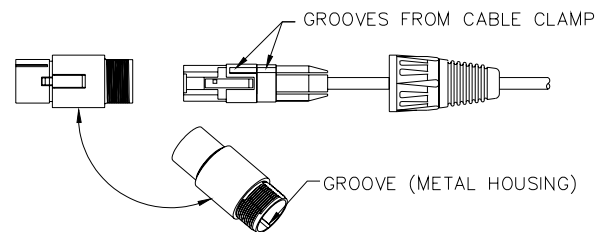
8. SLIDE PLASTIC HOUSING FORWARD AND THREAD ONTO METAL HOUSING AS SHOWN.
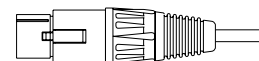
USA: Sales: 800-490-2361   Technical Support: 800-241-2060   Fax: 888-403-3360

Europe: 31-(0) 40 2675 150   **International**: 425-446-5500

e-mail: technicalsupport@pomonatest.com

Where to Buy: www.pomonaelectronics.com

All dimensions are in inches. Tolerances (except noted): .xx = ±.02" (,51 mm), .xxx = ± .005" (,127 mm). All specifications are to the latest revisions. Specifications are subject to change without notice. Registered trademarks are the property of their respective companies.

Copyright © 2004 11/2004 2414872 D-ENG-N Rev A   Page 2 of 2