

# Customer Information Sheet

DRAWING No.: K3700-91

SHEET 2 OF 2

IF IN DOUBT - ASK

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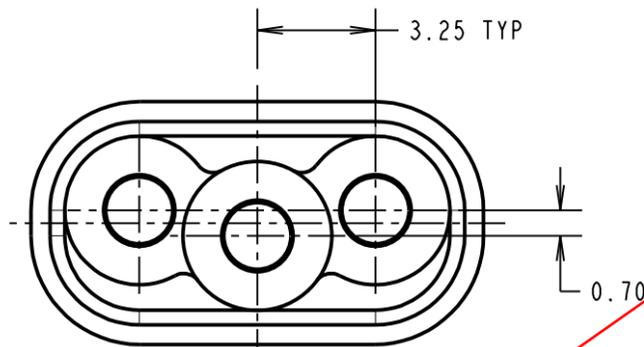
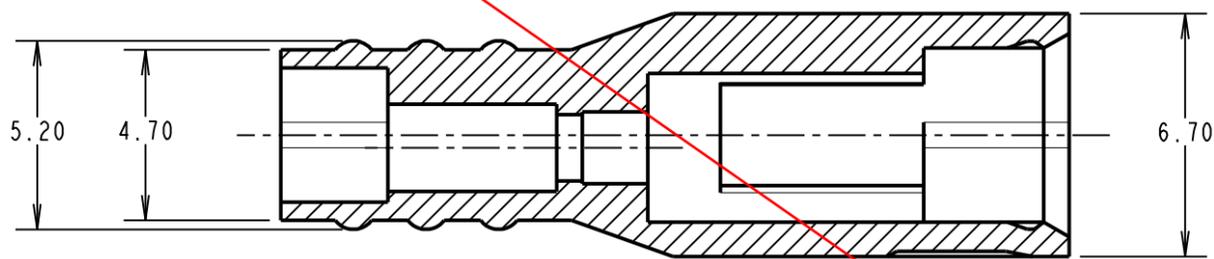
NOT TO SCALE

THIRD ANGLE PROJECTION

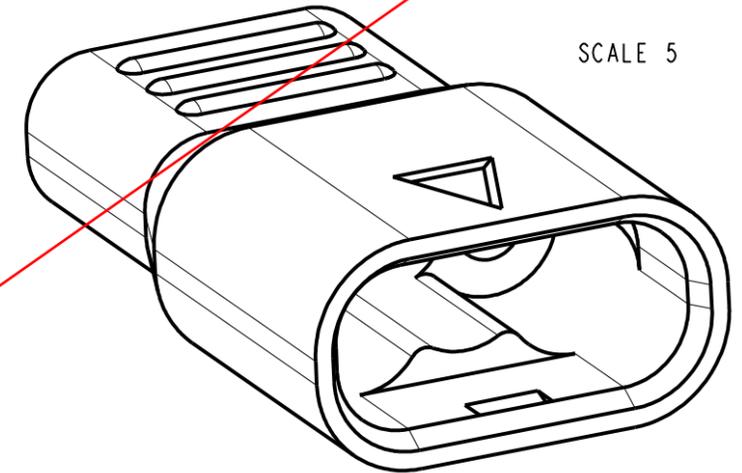
ALL DIMENSIONS IN mm

SEE COMPONENT SPECIFICATION C034XX FOR ASSEMBLY INSTRUCTIONS AND TECHNICAL DATA

SECTION X-X

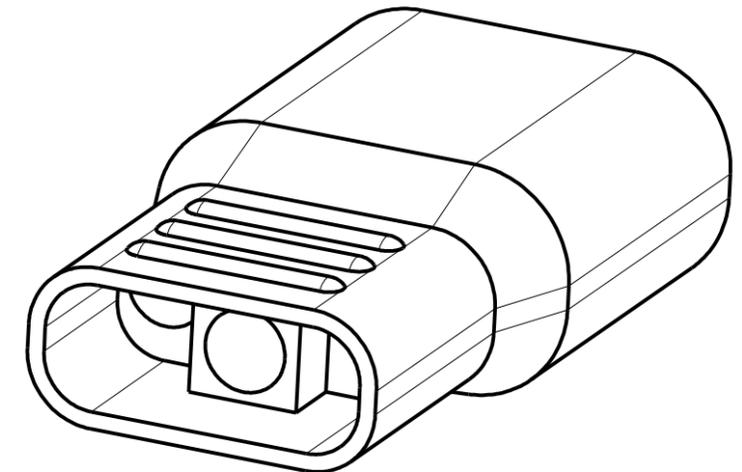
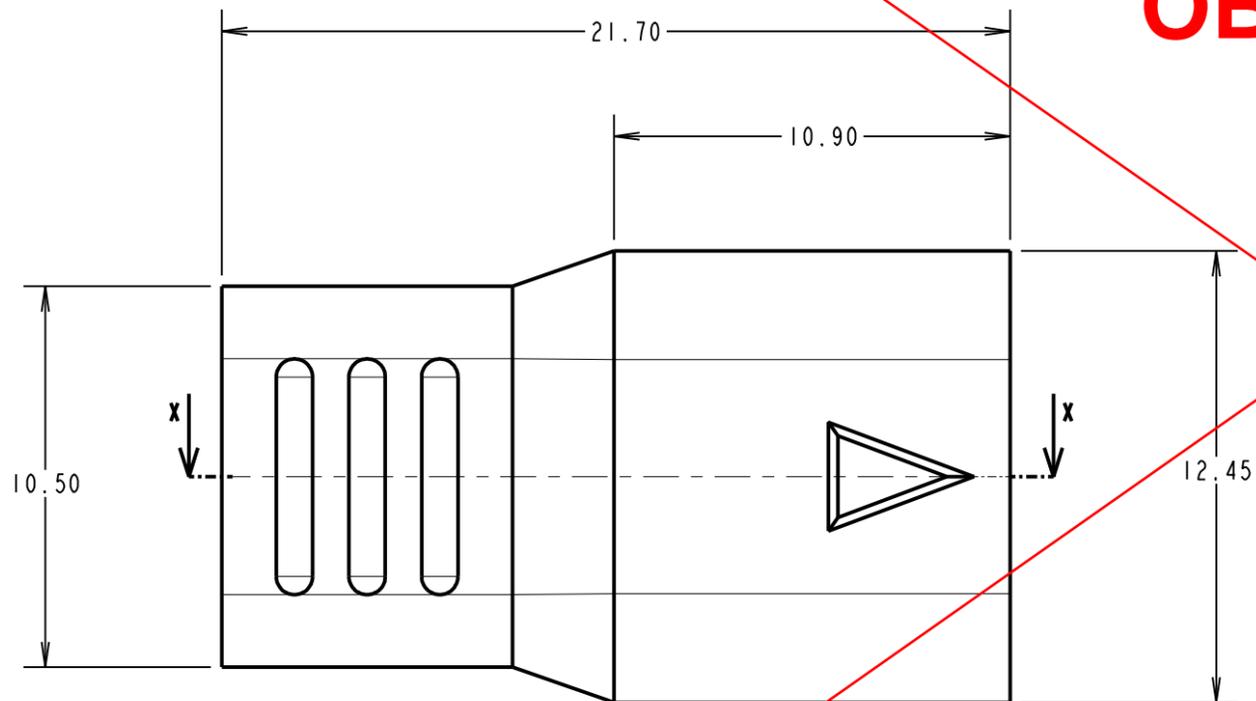


SCALE 5



**OBSOLETE**

ORDER CODE:  
**K3700-91**  
COLOUR:  
91 - GREY



**SPECIFICATIONS:**

**ELECTRICAL:**

- CURRENT RATING @ 25°C = 10A MAX
- CURRENT RATING @ 85°C = 7.5A MAX
- WORKING VOLTAGE = 250V AC/DC
- VOLTAGE PROOF = 750V AC/DC
- CONTACT RESISTANCE (INITIAL) = 10mΩ MAX
- CONTACT RESISTANCE (AFTER CONDITIONING) = 15mΩ MAX
- INSULATION RESISTANCE (INITIAL) = 1,000MΩ @ 500V DC FOR 1 MINUTE
- INSULATION RESISTANCE (AFTER CONDITIONING) = 100MΩ @ 500V DC FOR 1 MINUTE

**MECHANICAL:**

- DURABILITY = 100 OPERATIONS
- RETENTION FORCE OF CONTACT IN MOULDING (INITIAL) = 20N MIN
- INSERTION FORCE OF CONNECTOR ASSEMBLY = 40N MAX
- WITHDRAWAL FORCE OF CONNECTOR ASSEMBLY = 10N MIN
- CRIMP PULL OFF FORCE (BS 5G 178) = 142N MIN
- PROTECTION RATING (BS EN 60529) = IP55 (SEE NOTE 3)

**ENVIRONMENTAL:**

- TEMPERATURE RANGE = -40°C TO +105°C

**NOTES:**

1. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C034XX (LATEST ISSUE). THE COMPONENT SPECIFICATION ALSO INCLUDES NOTES ON ASSEMBLY METHODS.
2. THIS MOULDING CAN BE USED WITH 3-OFF SOLDER-BUCKET CONTACTS K3602-06, OR 3-OFF CRIMP CONTACTS K3606-06 (SEE INSTRUCTION SHEET IS-01. SPECIFICATIONS LISTED HERE APPLY FOR A COMPLETE ASSEMBLY OF MOULDINGS AND CONTACTS.
3. ASSEMBLY TOOL ZK3610-00 CAN BE USED TO AID INSERTION AND EXTRACTION OF CONTACTS FROM MOULDING (SEE INSTRUCTION SHEET IS-22).
4. THIS MOULDING MATES WITH 3-WAY SOCKET MOULDING K3701-91.
5. THIS MOULDING MAY BE BACK-POTTED TO ACHIEVE A PROTECTION RATING OF IP55 (WHEN MATED).
6. ALL TOLERANCES ARE ±0.05 UNLESS OTHERWISE STATED.

MSP	3	30.10.15	13140
NAME	ISS.	DATE	C/NOTE
APPROVED:		M.PERREN	
CHECKED:		M.PLESTED	
DRAWN:		W. J. BOURNE	
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

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**TOLERANCES**  
~~X = ±1mm~~  
~~X.X = ±0.50mm~~  
~~X.XX = ±0.10mm~~  
~~X.XXX = ±0.01mm~~  
 ANGLES = ±5°  
 UNLESS STATED

**MATERIAL:**  
30% GLASS-FILLED POLYESTER  
UL94V-0, GREY

**FINISH:**

**S/AREA:** mm<sup>2</sup>

**TITLE:**  
POWER CONNECTOR  
3-WAY PIN MOULDING

**DRAWING NUMBER:**  
**K3700-91**

SHT 2 OF 2

# Mouser Electronics

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