

Customer Information Sheet

DRAWING No.: K3701-91

SHEET 2 OF 2

IF IN DOUBT - ASK

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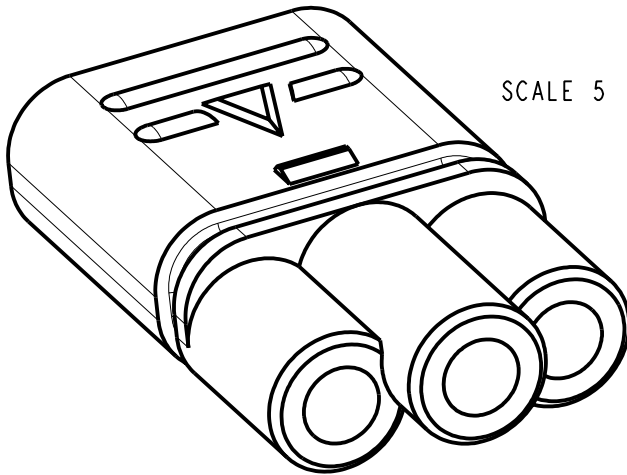
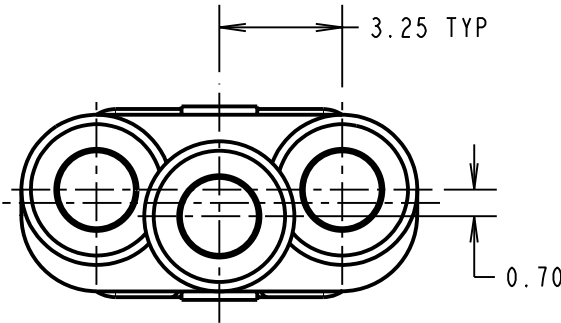
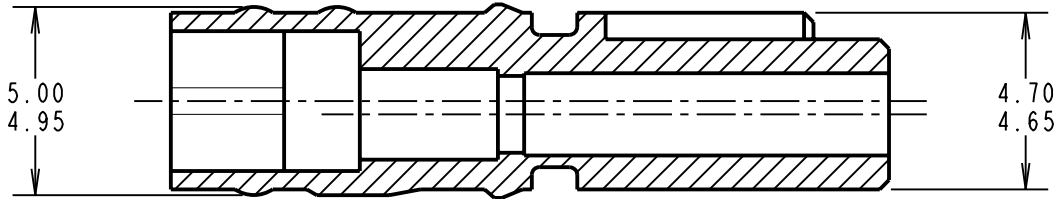
NOT TO SCALE

THIRD ANGLE PROJECTION

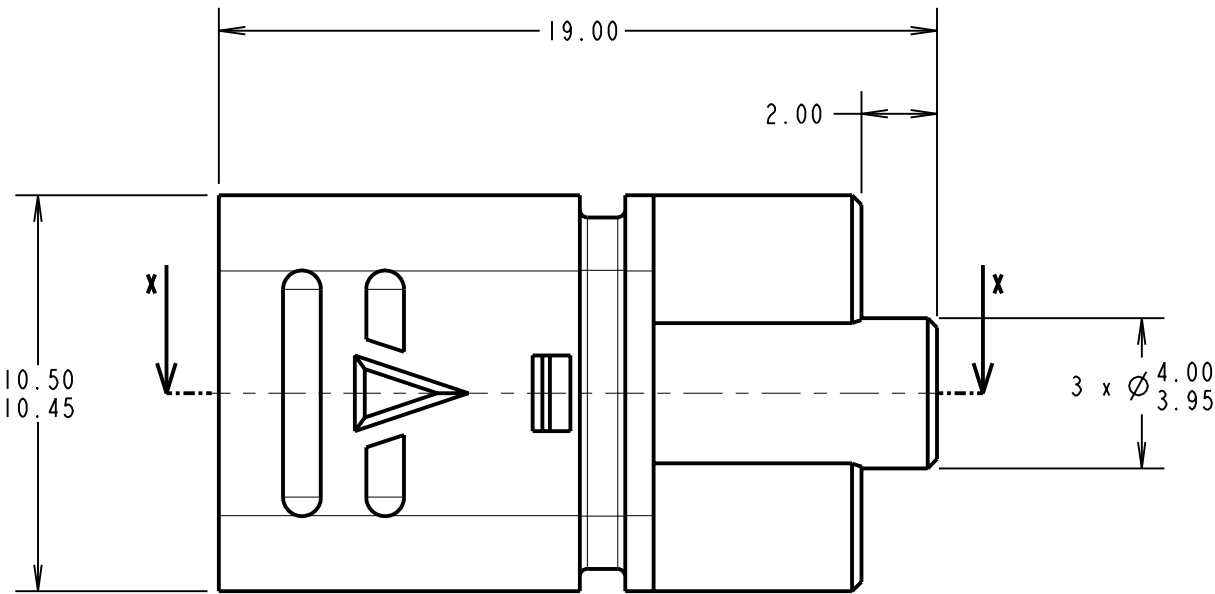
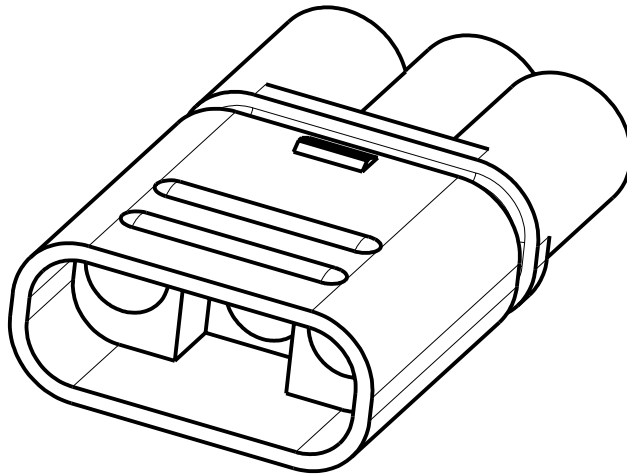
ALL DIMENSIONS IN mm

SEE COMPONENT SPECIFICATION C034XX FOR ASSEMBLY INSTRUCTIONS AND TECHNICAL DATA

SECTION X-X



SCALE 5



ORDER CODE:

K3701-91

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

CONTACT RESISTANCE (AFTER CONDITIONING) = 15mΩ

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 5)

IP67 (WITH 'O' RING K3605-00)

ENVIRONMENTAL:

TEMPERATURE RANGE = -40°C TO +105°C

NOTES:

- FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C034XX (LATEST ISSUE). THE COMPONENT SPECIFICATION ALSO INCLUDES NOTES ON ASSEMBLY METHODS.
- THIS MOULDING CAN BE USED WITH 3-OFF SOLDER-BUCKET CONTACTS K3603-06, OR 3-OFF CRIMP CONTACTS K3607-06 (SEE INSTRUCTION SHEET IS-01). SPECIFICATIONS LISTED HERE APPLY FOR A COMPLETE ASSEMBLY OF MOULDINGS AND CONTACTS.
- ASSEMBLY TOOL ZK3610-00 CAN BE USED TO AID INSERTION AND EXTRACTION OF CONTACTS FROM MOULDING (SEE INSTRUCTION SHEET IS-22).
- THIS MOULDING MATES WITH 3-WAY PIN MOULDING K3700-91.
- THIS MOULDING MAY BE BACK-POTTED TO ACHIEVE A PROTECTION RATING OF IP55 (WHEN MATED). IF AN 'O' RING (PART No. K3605-00) IS FITTED, THE PROTECTION RATING IS IP67 (MATED AND BACK-POTTED).
- ALL TOLERANCES ARE ±0.05 UNLESS OTHERWISE STATED.

RA	2	15.06.09	10352
NAME	ISS.	DATE	C/NOTE
APPROVED: R. ADDE			
CHECKED: M.G. PLESTED			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TOLERANCES

~~X = ±1mm~~
~~X.X = ±0.25mm~~
~~X.XX = ±0.10mm~~
~~X.XXX = ±0.01mm~~
ANGLES = ±5°
UNLESS STATED

MATERIAL:

30% GLASS-FILLED POLYESTER
UL94V-0, GREY

FINISH:

S/AREA:

mm²

TITLE:

POWER CONNECTOR
3-WAY SOCKET MOULDING

DRAWING NUMBER:

K3701-91

SHT
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