

Customer Information Sheet

DRAWING No.: C90-3102RXXSX-XX

IF IN DOUBT - ASK

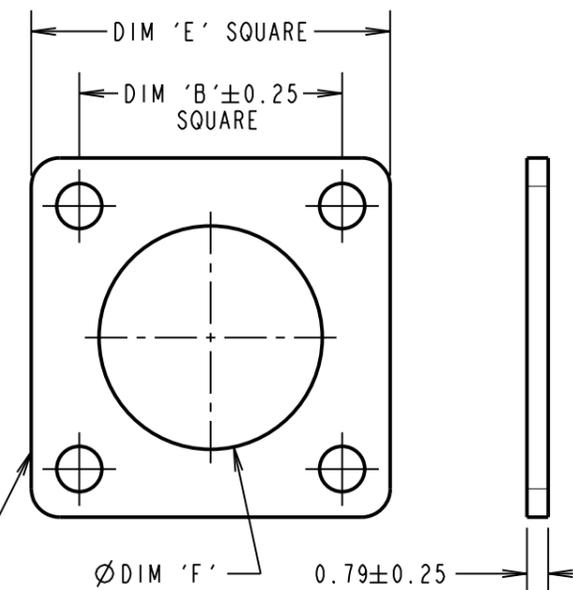
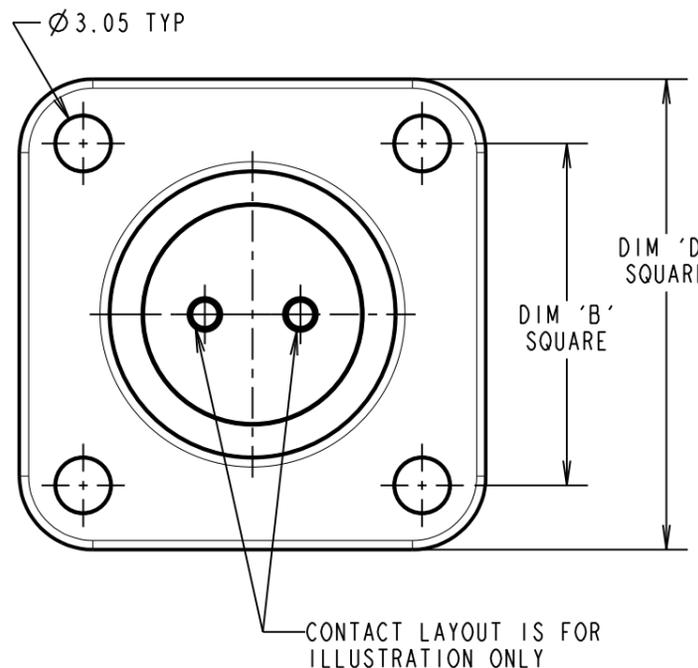
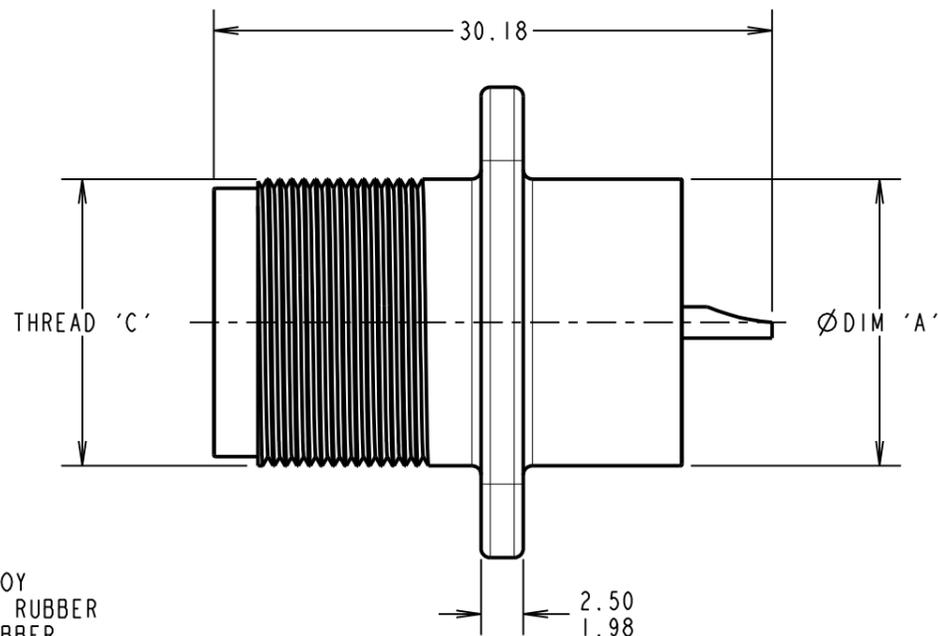
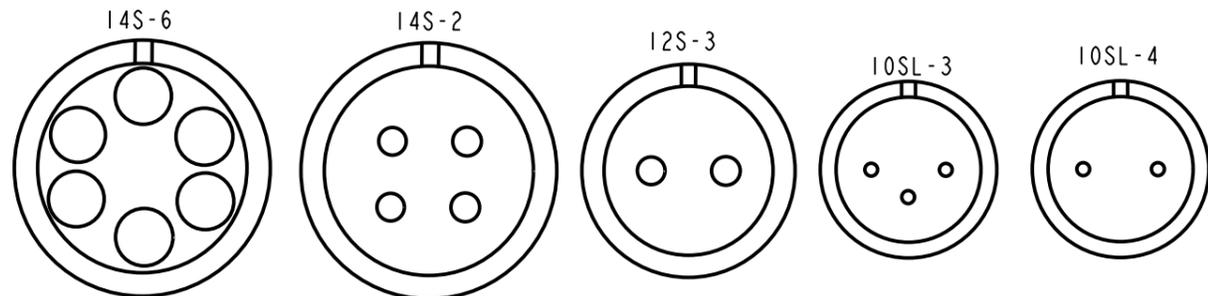
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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

CONTACT LAYOUT (SHOWN LOOKING AT THE MATING FACE IS FOR ILLUSTRATION ONLY)



SPECIFICATIONS:

MATERIAL:

SHELL = ALUMINIUM ALLOY
 INSULATOR = SYNTHETIC RUBBER
 GASKET = SYNTHETIC RUBBER
 CONTACT = COPPER ALLOY

FINISH:

SHELL = ZINC COBALT ALLOY, BLACK
 CONTACT = SILVER

ENVIRONMENTAL:

OPERATING TEMPERATURE = -55°C TO +125°C

MECHANICAL:

VIBRATION SENSITIVITY = 10Hz TO 500Hz, 98m/s² (10G)
 SHOCK SEVERITY = 490m/s² (50G) FOR 11ms
 WATER RESISTANCE (SEALING) = 1.8m FOR 48HRS, EXCEEDS IP67

ELECTRICAL:

CURRENT RATING = 13A
 VOLTAGE RATING:
 10SL & 12S SHELL SIZES = 500V AC, 700V DC
 14S SHELL SIZE = 200V AC, 250V DC
 VOLTAGE PROOF:
 10SL & 12S SHELL SIZES = 2,000V AC
 14S SHELL SIZE = 1,000V AC
 INSULATION RESISTANCE = 5,000MΩ MIN.

FOR MECHANICAL/ELECTRICAL REQUIREMENTS, SEE COMPONENT SPECIFICATION C045XX (LATEST ISSUE)

NOTES:

- PRODUCT IS RoHS COMPLIANT.
- CONNECTOR PACKED IN BAGS, ONE CONNECTOR AND GASKET PER BAG.
- RECOMMENDED WIRE SIZE 16-22 AWG.
- RECOMMENDED PANEL CUT-OUT FOR SHELL SIZE 10SL & 12S = Ø20.62 AND FOR SHELL SIZE 14S = Ø23.83.
- RECOMMENDED WIRE STRIP LENGTH = 7.5mm.

ORDER CODE:

C90-3102RXXXX-XX

SHELL SIZE (CONTACT LAYOUT):
 10SL-3, 10SL-4, 12S-3, 14S-2
 14S-6

CONTACT GENDER:
 P - MALE
 S - FEMALE

SHELL SIZE	DIM 'A' MAX	DIM 'B'	THREAD 'C'	DIM 'D'	DIM 'E' +0.4 -0.0	DIM 'F' +0.4 -0.0
10SL	Ø 15.75	18.25	5/8-24UNEF	25.65/25.15	25.40	Ø 15.87
12S	Ø 17.17	20.62	3/4-20UNEF	28.02	27.80	Ø 19.05
14S	Ø 18.92	23.02	7/8-20UNEF	30.40	30.17	Ø 22.22

MGP	8	03.06.19	21873
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: MR			
DRAWN: R.ADDE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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TOLERANCES
 X. = ±1mm
 X.X = ±0.50mm
 X.XX = ±0.20mm
 X.XXX = ±0.01mm
 ANGLES = ±5°
 UNLESS STATED

MATERIAL:
 SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE:
 PANEL MOUNT CONNECTOR

DRAWING NUMBER:
C90-3102RXXSX-XX

SHT
 2 OF 2

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