

Customer Information Sheet

DRAWING No.:C90-3102RXXSX-XXSHEET 2 OF 2

IF IN DOUBT - ASK

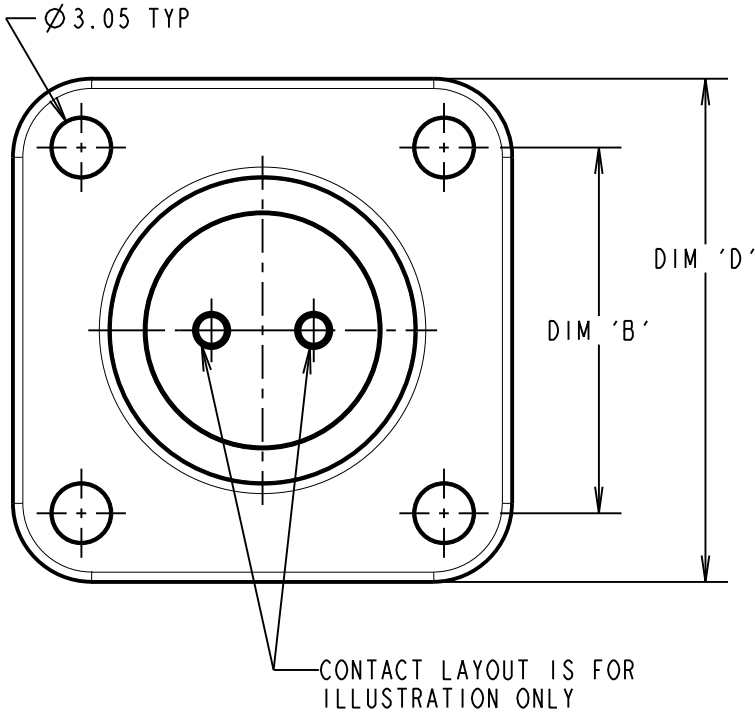
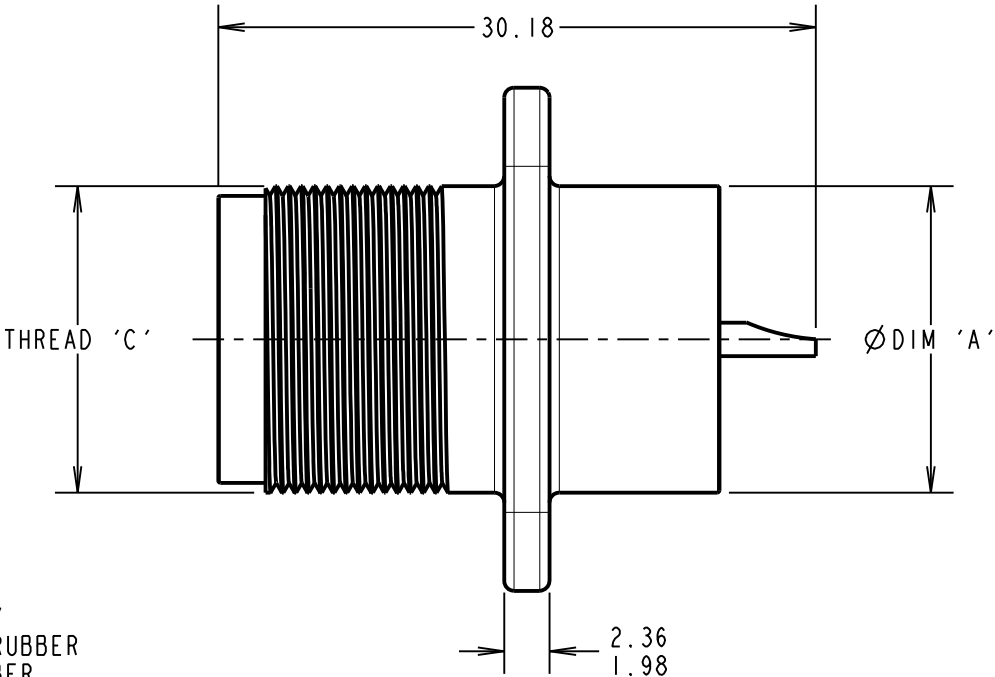
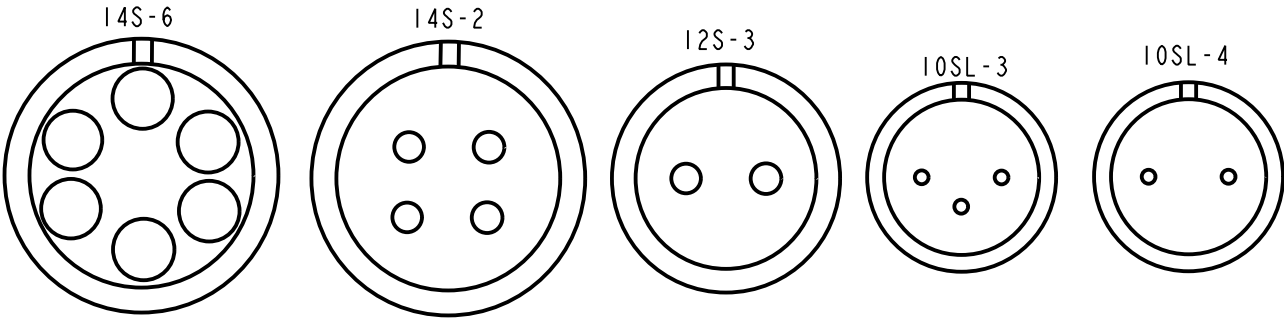
C

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

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

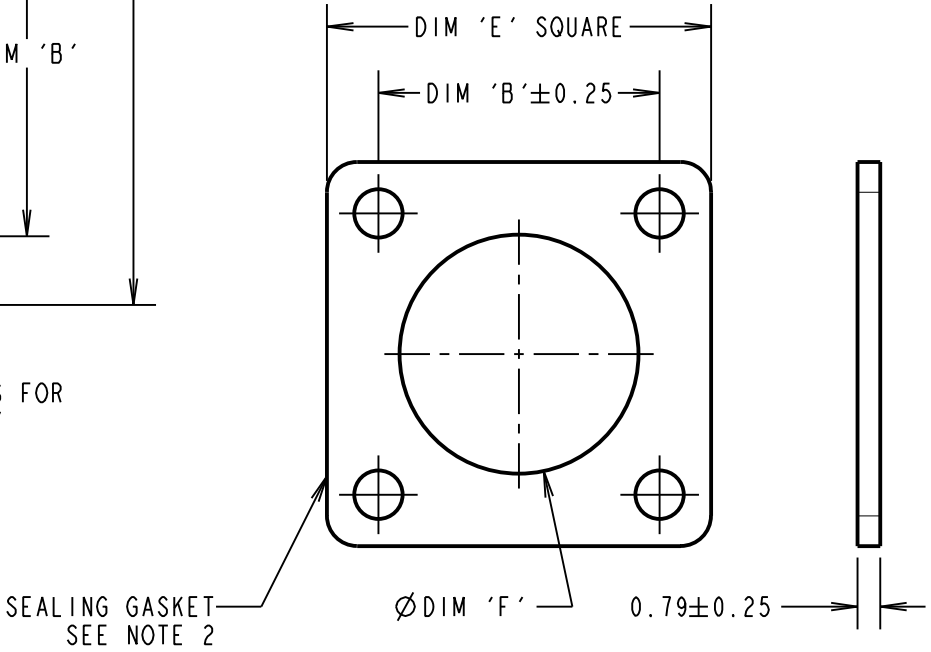


ORDER CODE:
C90-3102RXXXX-XX

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

CONTACT GENDER:
P - MALE
S - FEMALE

SPECIFICATIONS:
MATERIAL:
SHELL: ALUMINIUM ALLOY
INSULATOR: SYNTHETIC RUBBER
GASKET: SYNTHETIC RUBBER
CONTACT COPPER ALLOY
FINISH:
SHELL: ZINC WITH BLACK CHROMATE COATING
CONTACT: SILVER
ENVIRONMENTAL:
OPERATING TEMPERATURE: -55°C TO +125°C
MECHANICAL:
VIBRATION SENSITIVITY: 10Hz TO 500Hz, 98mm/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: 2,000V AC
14S: 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.

SHELL SIZE	DIM 'A'	DIM 'B'	THREAD 'C'	DIM 'D'	DIM 'E' +0.4 -0.0	DIM 'F' +0.4 -0.0
10SL	Ø15.75	18.25	5/8-24UNEF	25.65	25.40	Ø15.87
12S	Ø17.17	20.62	3/4-20UNEF	28.02	27.80	Ø19.05
14S	Ø18.92	23.02	7/8-20UNEF	30.40	30.17	Ø22.22

SB	6	25.06.13	12118
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.BENNETT	
CHECKED:		S.FLOWER	
DRAWN:		R.ADDE	
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Harwin:](#)

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