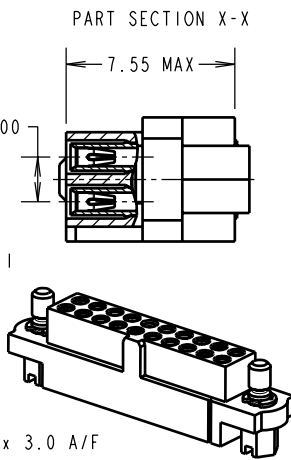
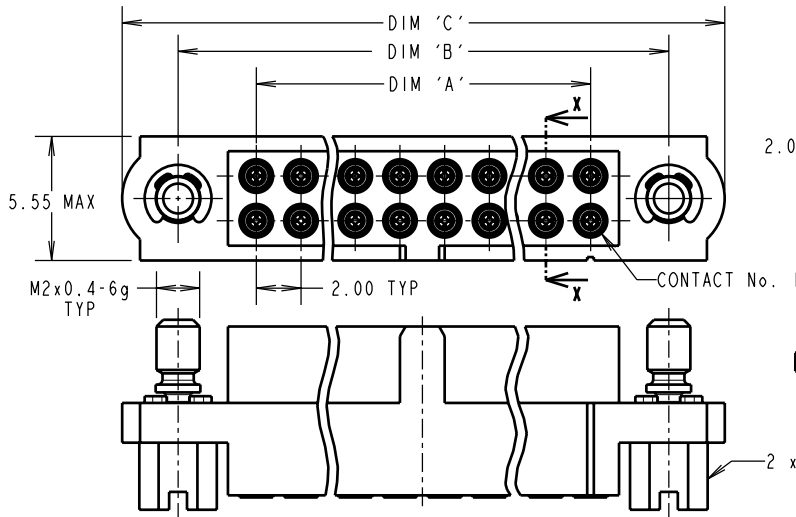


Customer Information Sheet

DRAWING No.: M80-461XXXX SHEET 2 OF 2 IF IN DOUBT - ASK (C) NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



SPECIFICATIONS:
MATERIAL:
 MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
 CONTACT CLIP = BERYLLIUM COPPER
 CONTACT SHELL = BRASS
 JACKSCREW, CIRCLIP = STAINLESS STEEL
FINISH:
 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN SHELL
ELECTRICAL:
 CURRENT RATING AT 25°C = 3.0A MAX
 CURRENT RATING AT 85°C = 2.2A MAX
 WORKING VOLTAGE = 120V AC/DC
 VOLTAGE PROOF = 360V AC/DC
 CONTACT RESISTANCE = 25 mΩ MAX
 INSULATION RESISTANCE = 100 MΩ MIN
MECHANICAL:
 DURABILITY = 500 OPERATIONS
 INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN
ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO +125°C
 PACKING: LOOSE
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

| DIMENSION | CALCULATION |
|-----------|----------------------------|
| DIM 'A' | TOTAL No. OF CONTACTS - 2 |
| DIM 'B' | TOTAL No. OF CONTACTS + 5 |
| DIM 'C' | TOTAL No. OF CONTACTS + 10 |

ORDER CODE:
M80-461XXXX
 TOTAL No. OF CONTACTS 04 TO 50 (EVEN NUMBERS ONLY)
 FINISH
 05 - GOLD CLIP, GOLD SHELL
 42 - GOLD CLIP, 100% TIN SHELL

- NOTES:**
- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
 - FOR EXTRA CONTACTS, USE PART NUMBER M80-0130005 FOR M80-461XX05 AND M80-0130001 FOR M80-461XX42.
 - RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = ∅1.10mm, STRIP WIRE BY 2.00mm.
 - RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747.
 - CONTACT INSERTION AND EXTRACTION TOOL = Z80-280
 - INSTRUCTION SHEETS ARE AVAILABLE.

EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD ON CONTACT AREA AND 100% TIN ON TAIL, M80-4612042

DIM 'A' = 18.00mm
 DIM 'B' = 25.00mm
 DIM 'C' = 30.00mm

| | | | |
|-----------------------|------|----------|--------|
| RA | 3 | 18.06.08 | 10059 |
| NAME | ISS. | DATE | C/NOTE |
| APPROVED: R. ADDE | | | |
| CHECKED: M.G. PLESTED | | | |
| DRAWN: W. J. BOURNE | | | |
| CUSTOMER REF.: | | | |
| ASSEMBLY DRG: | | | |

| | | | | | | |
|--|--|--|---|--|------------------------|--|
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| HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com | HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk | HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg | | | FINISH: SEE ABOVE | DRAWING NUMBER: M80-461XXXX |