

Customer Information Sheet

DRAWING No.: M80-461XXXX

SHEET 2 OF 2

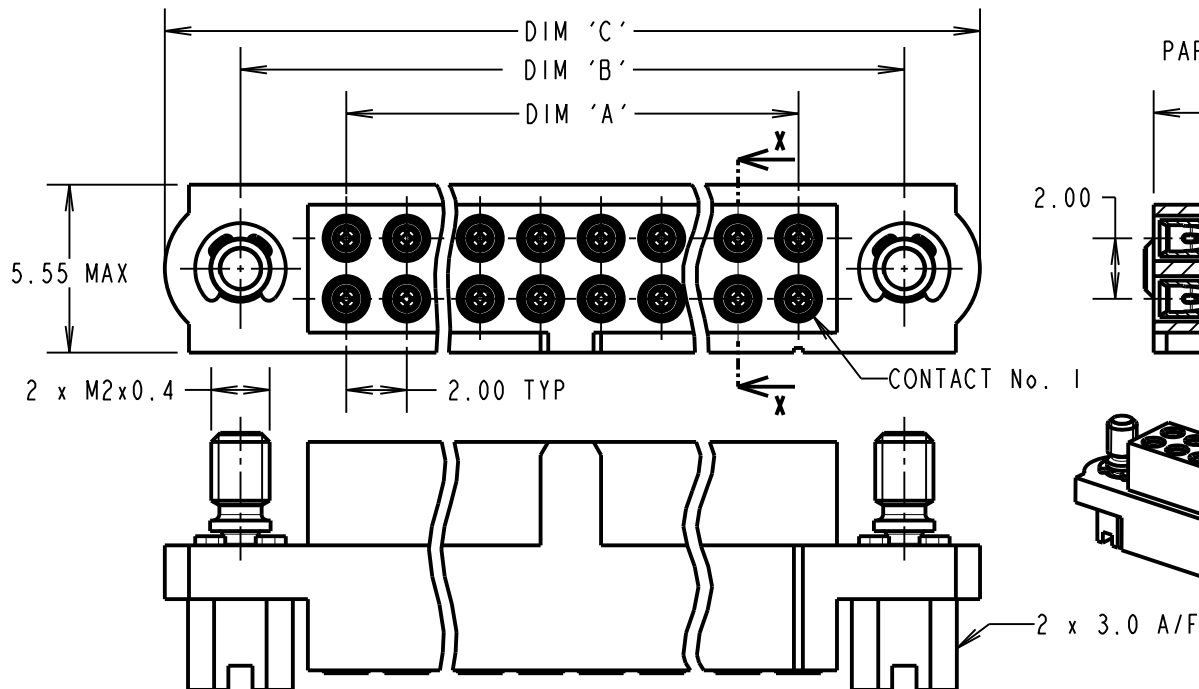
IF IN DOUBT - ASK

C

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



PART SECTION X-X

SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
CONTACT CLIP = BERYLLIUM COPPER
CONTACT SHELL = COPPER ALLOY
JACKSCREW, CIRCLIP = STAINLESS STEEL

FINISH (ALL OVER NICKEL):

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 (Ø0.5mm GAUGE) = 2.8N MAX

WITHDRAWAL FORCE (Ø0.5mm 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
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	

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 = Ø1.10mm, STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL =
M22520/2-01 WITH POSITIONER T5747. REFER TO
TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE
CRIMPING INSTRUCTIONS.
- CONTACT INSERTION AND EXTRACTION
TOOL = Z80-280. REFER TO TOOLING INSTRUCTION
SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

SM	4	22.07.11	11389
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: M. G. PLESTED			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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
--	--	--

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

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: JACKSCREW DATAMATE
DIL CRIMP (SMALL BORE)
FEMALE ASSEMBLY

DRAWING NUMBER:

M80-461XXXX

SHT
2
OF 2