

Customer Information Sheet

DRAWING No.: M80-461XXXX

SHEET 2 OF 2

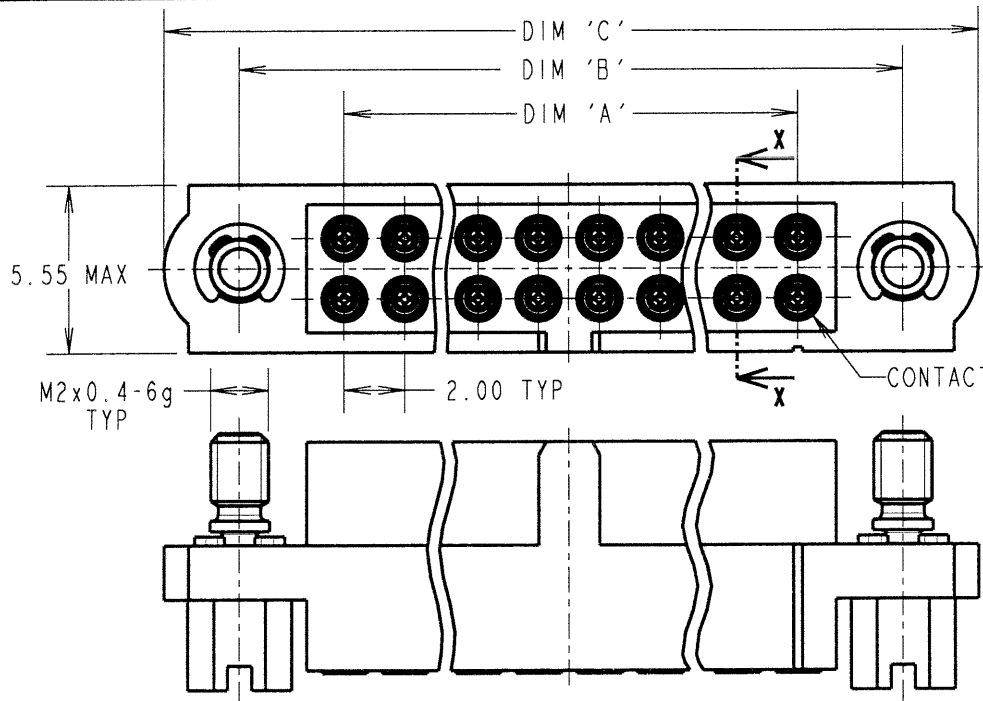
IF IN DOUBT - ASK

(C)

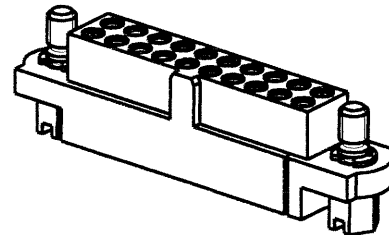
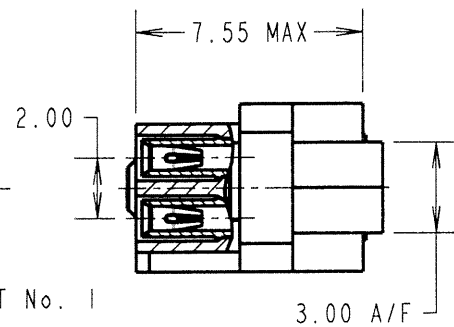
NOT TO SCALE

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 = 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)

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.

ORDER CODE:

M80-461XXXX

TOTAL No. OF CONTACTS

06, 10, 14, 20,
26, 34, 42, 50

FINISH

05 - GOLD CLIP, GOLD SHELL
 42 - GOLD CLIP, 100% TIN SHELL

JMB	D	01.09.06	9407
NAME	ISS.	DATE	C/NOTE
APPROVED: <i>JMB</i>			
CHECKED: <i>[Signature]</i>			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

ASSEMBLY PART No.	No. OF CONTACTS	DIM 'A'	DIM 'B'	DIM 'C'
M80-46106XX	6	4.00	11.00	16.00
M80-46110XX	10	8.00	15.00	20.00
M80-46114XX	14	12.00	19.00	24.00
M80-46120XX	20	18.00	25.00	30.00
M80-46126XX	26	24.00	31.00	36.00
M80-46134XX	34	32.00	39.00	44.00
M80-46142XX	42	40.00	47.00	52.00
M80-46150XX	50	48.00	55.00	60.00

HARWIN

HARWIN INC U.S.A. TEL: (812) 542 2540 FAX: (812) 542 2541	HARWIN PLC U.K. TEL: 023 9231 4545 FAX: 023 9231 4590	HARWIN PTE SINGAPORE TEL: 65 6779 4909 FAX: 65 6779 3868
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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: JACKSCREW DATAMATE
 DIL CRIMP (SMALL BORE)
 FEMALE ASSEMBLY

DRAWING NUMBER: M80-461XXXX
 SHT 2 OF 2