

# Customer Information Sheet

DRAWING No.: M80-400XXX

SHEET 2 OF 2

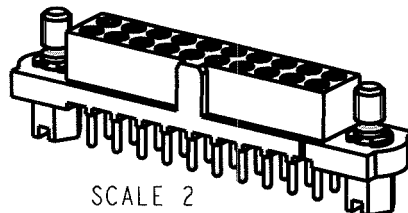
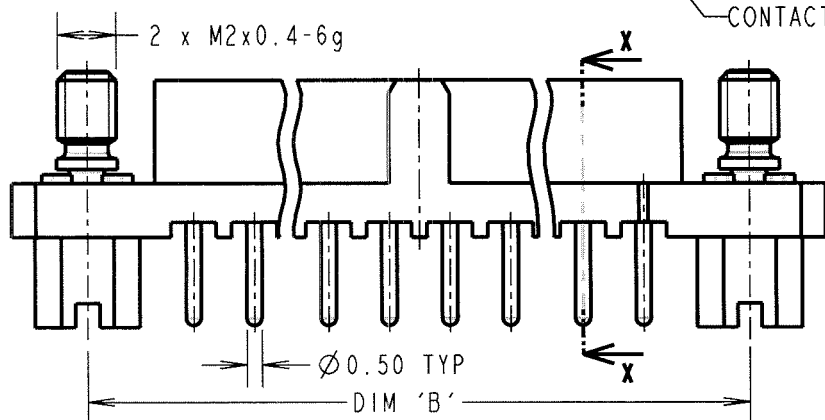
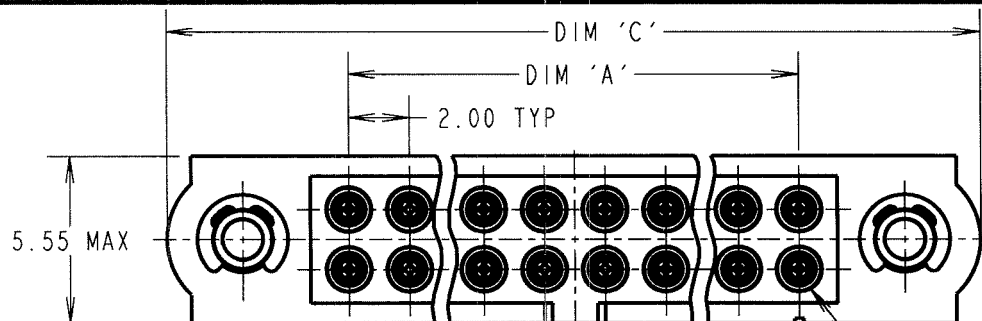
IF IN DOUBT - ASK

(C)

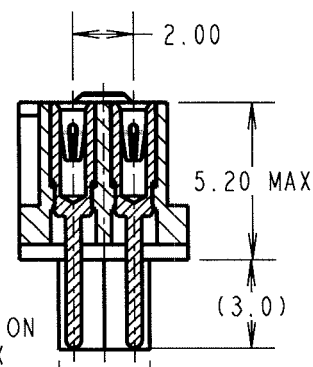
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SCALE 2



SECTION X-X

**SPECIFICATIONS:**

**MATERIAL:**

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

**FINISH:**

01 = 0.3µ GOLD CLIP, 3.5-5.0µ TIN SHELL  
 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD 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:**

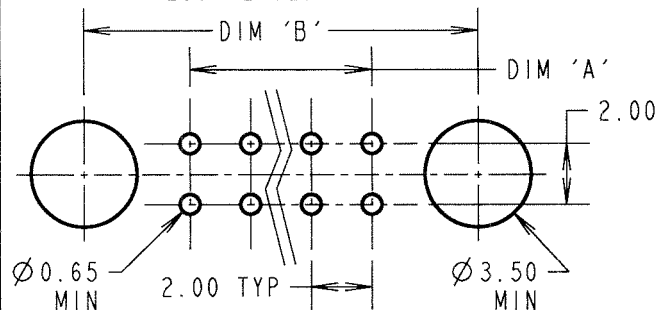
TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**

TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

**RECOMMENDED PCB LAYOUT**



PART No.	No. OF CONTACTS	DIM 'A'	DIM 'B'	DIM 'C'
M80-40006XX	6	4.00	11.00	16.00
M80-40010XX	10	8.00	15.00	20.00
M80-40014XX	14	12.00	19.00	24.00
M80-40020XX	20	18.00	25.00	30.00
M80-40026XX	26	24.00	31.00	36.00
M80-40034XX	34	32.00	39.00	44.00
M80-40042XX	42	40.00	47.00	52.00
M80-40050XX	50	48.00	55.00	60.00

ORDER CODE:  
**M80-400XXX**

TOTAL No. OF CONTACTS  
 06, 10, 14, 20,  
 26, 34, 42, 50

FINISH:  
 01 - GOLD CLIP, TIN SHELL  
 05 - GOLD CLIP, GOLD SHELL

JAE	B	14.10.04	8175
NAME	ISS.	DATE	C/NOTE
APPROVED:			
CHECKED:			
DRAWN:	W. J. BOURNE		
CUSTOMER REF.:			
ASSEMBLY DRG:			



HARWIN INC U.S.A. TEL: (812) 542 2546 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
--	--	---

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:**  
 mm<sup>2</sup>

**TITLE:** JACKSCREW DATAMATE  
 DIL VERTICAL PC TAIL  
 FEMALE ASSEMBLY

**DRAWING NUMBER:**  
**M80-400XXX**

SHT  
 2 OF 2