

Customer Information Sheet

DRAWING No.: M80-840XXXX

SHEET 2 OF 2

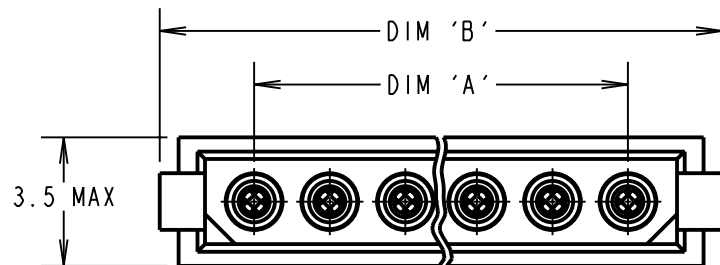
IF IN DOUBT - ASK

(C)

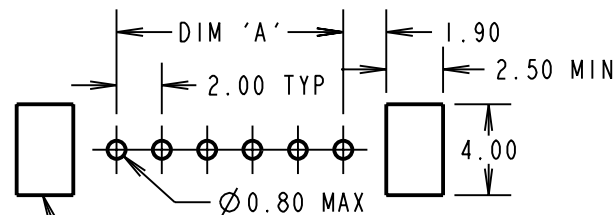
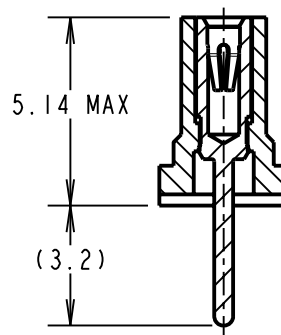
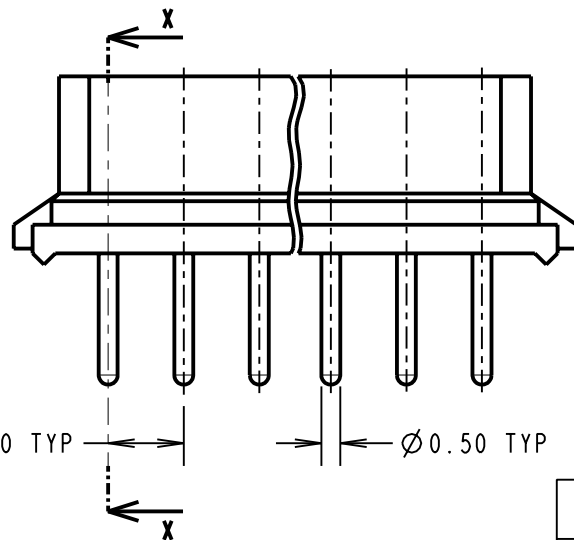
NOT TO SCALE

THIRD ANGLE PROJECTION

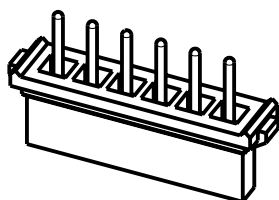
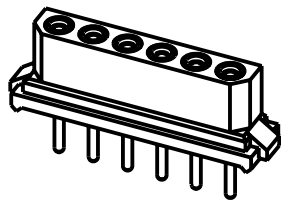
ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT

(OPTIONAL) HOLES REQUIRED FOR
USE WITH LATCHED MALE CONNECTORS.

SECTION X-X



SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED POLYAMIDE 46,
UL94V-0, BLACK

CONTACT CLIP = BERYLLIUM COPPER

CONTACT SHELL = BRASS

FINISH:

42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN SHELL

45 = 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 (Ø0.5mm GAUGE) = 2.8N MAX

WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

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

ORDER CODE:

M80-840XXXX

TOTAL No. OF CONTACTS

02, 03, 04, 05,
06, 07, 17, 22

FINISH

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

PART No.	No. OF CONTACTS	DIM 'A'	DIM 'B'
M80-84002XX	2	2.00	7.30
M80-84003XX	3	4.00	9.30
M80-84004XX	4	6.00	11.30
M80-84005XX	5	8.00	13.30
M80-84006XX	6	10.00	15.30
M80-84007XX	7	12.00	17.30
M80-84017XX	17	32.00	37.30
M80-84022XX	22	42.00	47.30

RA	6	01.10.09	10502
NAME	ISS.	DATE	C/NOTE
APPROVED: R.ADDE			
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:

DATAMATE
SIL VERTICAL PC TAIL
FEMALE ASSEMBLY (RoHS)

DRAWING NUMBER:

M80-840XXXXSHT
2 OF 2