

Customer Information Sheet

DRAWING No.: M80-681XXXXP

SHEET 2 OF 2

IF IN DOUBT - ASK

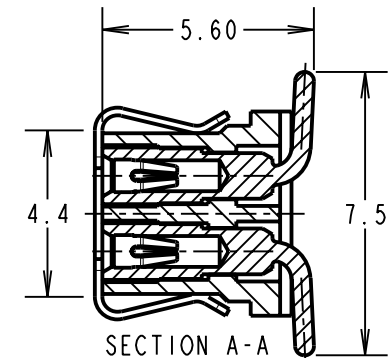
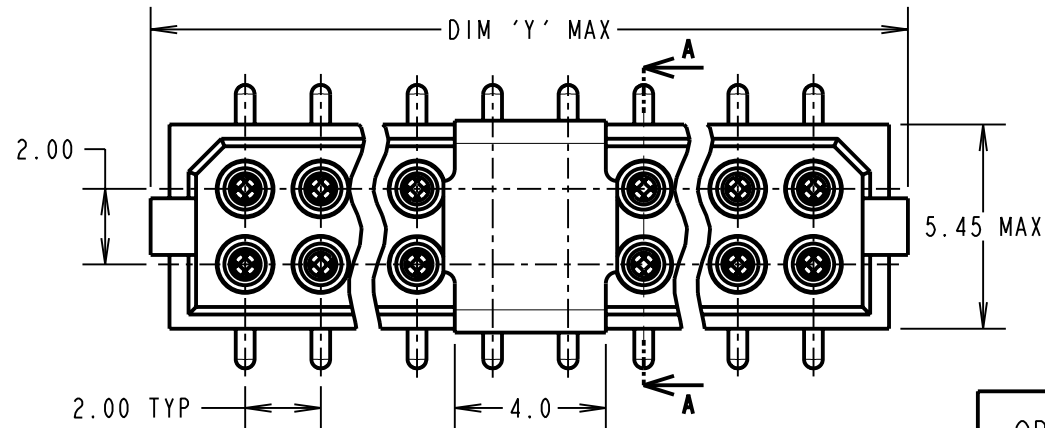
(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ASSEMBLY PART No.	No. OF CONTACTS	DIM 'X'	DIM 'Y'
M80-68104XXP	4	2.00	7.15
M80-68106XXP	6	4.00	9.15
M80-68108XXP	8	6.00	11.15
M80-68110XXP	10	8.00	13.15
M80-68112XXP	12	10.00	15.15
M80-68114XXP	14	12.00	17.15
M80-68116XXP	16	14.00	19.15
M80-68118XXP	18	16.00	21.15
M80-68120XXP	20	18.00	23.15
M80-68126XXP	26	24.00	29.15
M80-68134XXP	34	32.00	37.15
M80-68144XXP	44	42.00	47.15



SPECIFICATIONS:

MATERIAL:

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

CONTACT CLIP = BERYLLIUM COPPER

CONTACT SHELL = BRASS

PICK & PLACE CAP = PHOSPHOR BRONZE

FINISH:

01 = 0.3μ GOLD CLIP, 4μ TIN/LEAD SHELL

42 = 0.3μ GOLD CLIP, 4μ 100% TIN SHELL

45 = 0.3μ GOLD CLIP, 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 = 2.8N MAX, 1.0N MIN

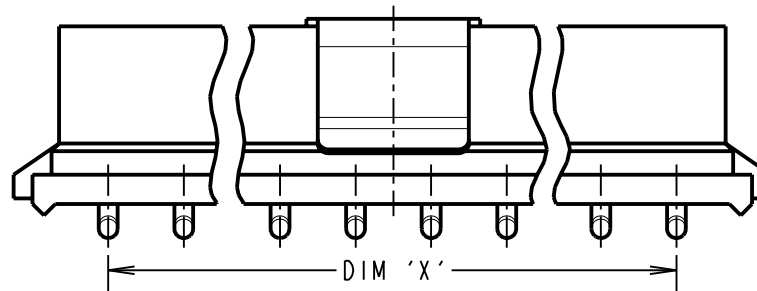
WITHDRAWAL FORCE = 1.8N MAX, 0.2N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE



RECOMMENDED
PAD LAYOUT

NOTES:

1. FOR CONNECTOR WITHOUT
PICK AND PLACE PAD, SEE
DRAWING M80-681XXXX.

(OPTIONAL) HOLES REQUIRED FOR USE
WITH LATCHED MALE CONNECTORS

ORDER CODE:

M80-681XXXXP

TOTAL No. OF CONTACTS

04, 06, 08, 10, 12, 14,
16, 18, 20, 26, 34, 44

FINISH

01 - GOLD CLIP, TIN/LEAD SHELL

42 - GOLD CLIP, 100% TIN SHELL

45 - GOLD CLIP, GOLD SHELL

RA	2	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
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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: DATAMATE DIL VERTICAL
SMT SOCKET ASSEMBLY
(WITH PICK & PLACE CAP)

DRAWING NUMBER:

M80-681XXXXP

SHT
2 OF 2