

Customer Information Sheet

DRAWING No.: M80-422XXXX	SHEET 2 OF 2	IF IN DOUBT - ASK	(C)	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm
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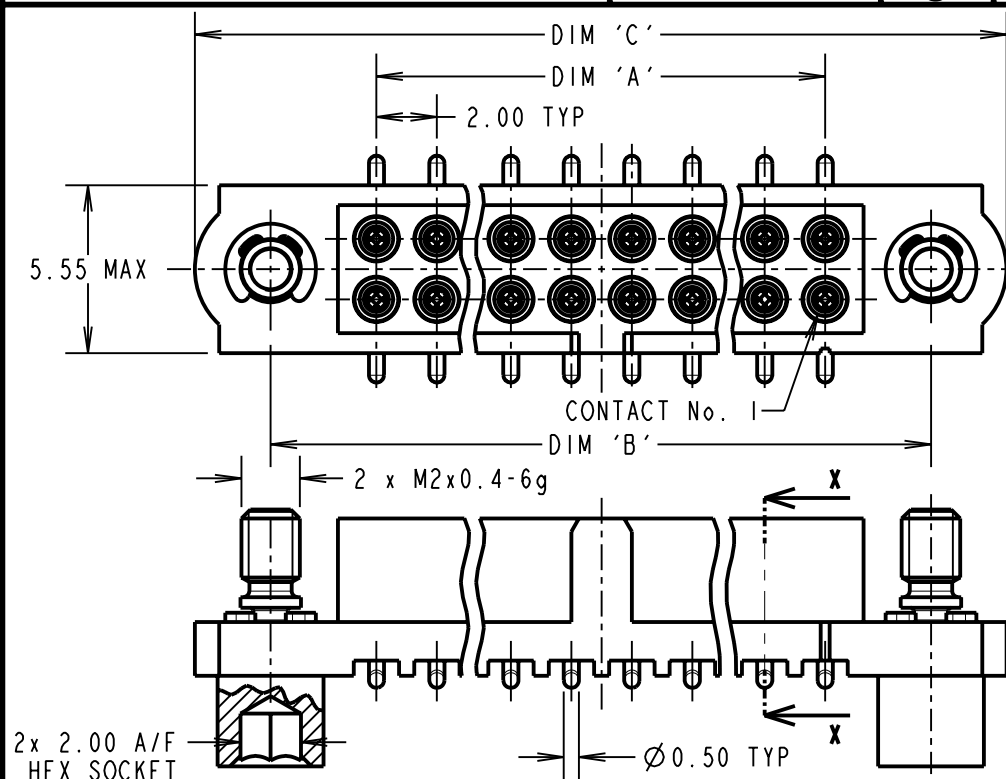
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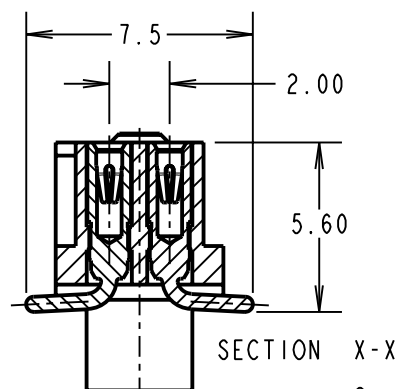


ORDER CODE: M80-422XXXX

TOTAL No. OF CONTACTS
04 TO 50
(EVEN NUMBERS ONLY)

FINISH _____

01 - GOLD CLIP, TIN/LEAD SHELL
05 - GOLD CLIP, GOLD SHELL
42 - GOLD CLIP, 100% TIN OVER
NICKEL SHELL



SPECIFICATIONS:

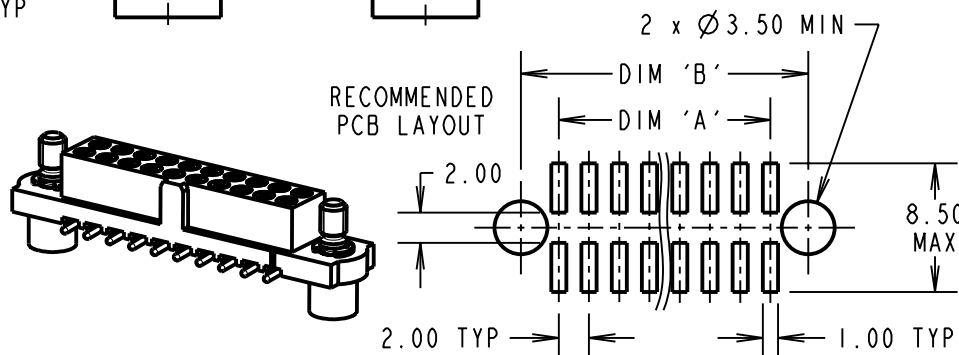
MATERIAL:
MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
CONTACT CLIP = BERYLLIUM COPPER
CONTACT SHELL = BRASS
JACKSCREW, CIRCLIP = STAINLESS STEEL
FINISH:
01 = 0.3 μ GOLD CLIP, 3.5-5.0 μ TIN/LEAD SHELL
05 = 0.3 μ GOLD CLIP, 0.25-0.3 μ GOLD SHELL
42 = 0.3 μ GOLD CLIP,
3.5-5.0 μ 100% TIN OVER NICKEL SHELL

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

PROTECTION RESISTANCE = 100 MΩ MIN
MECHANICAL:
DURABILITY = 500 OPERATIONS
INSERTION FORCE (Ø 0.5mm GAUGE) = 2.8N MAX
WITHDRAWAL FORCE (Ø 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)

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 CLIP AND 100% TIN OVER NICKEL SHELL, M80-4222042	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	



CP	I	31.08.10	10870
NAME	ISS.	DATE	C/NOTE
APPROVED: C.PENROSE			
CHECKED: R.ADDE			
DRAWN: JM BROOKES			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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TOLERANCES
X. = $\pm 1\text{mm}$
X.X = $\pm 0.25\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$
ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:	
SEE ABOVE	
FINISH:	SEE ABOVE
S/AREA:	mm ²

TITLE: JACKSCREW DATAMATE DIL VERTICAL SMT FEMALE ASSEMBLY		SHT 2 OF 2
DRAWING NUMBER: M80-422XXXX		

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M80-422XXXX	

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Mouser Electronics

Authorized Distributor

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Harwin:

M80-4222005