

Customer Information Sheet

DRAWING No.: M80-531XXXX

SHEET 2 OF 2

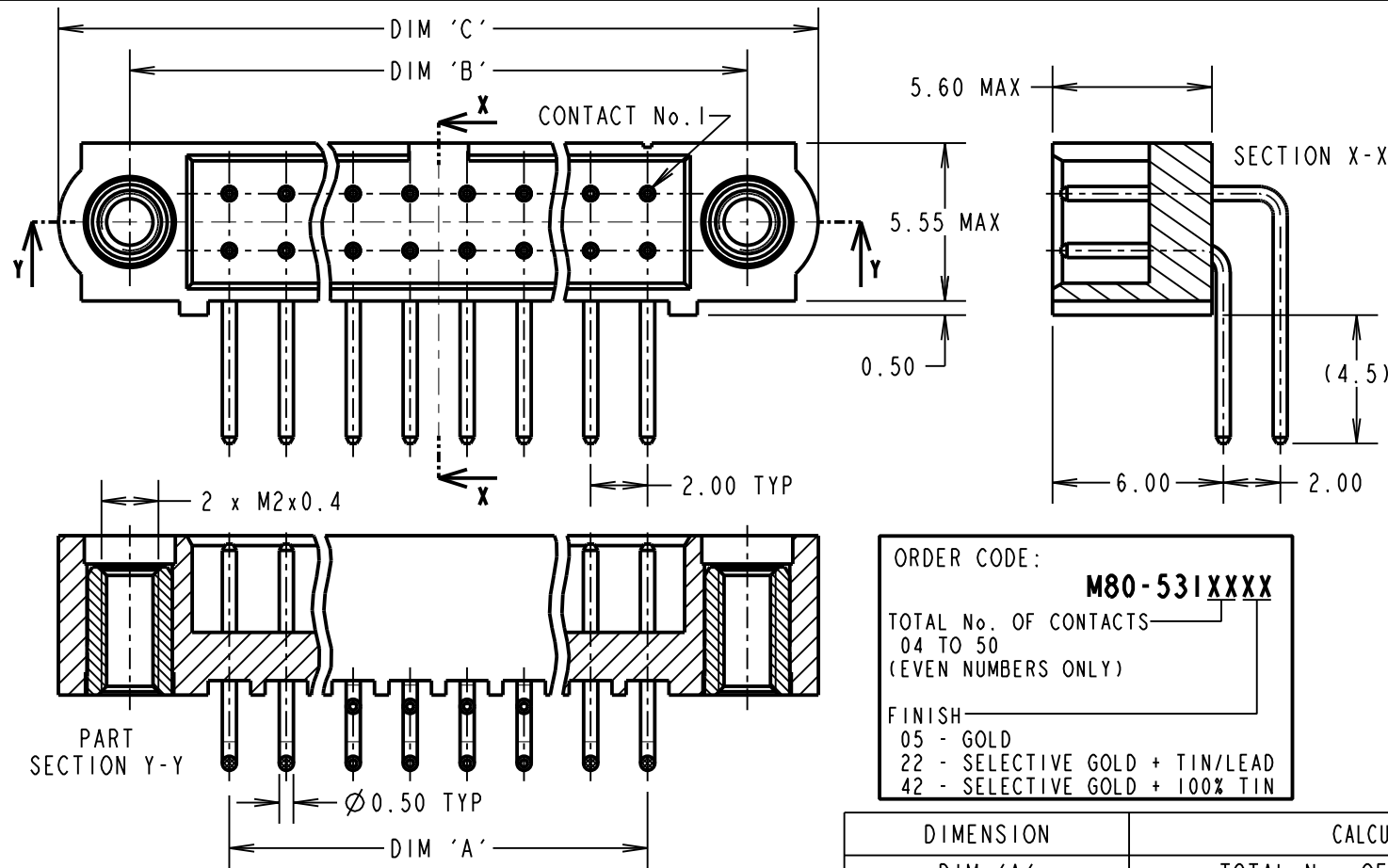
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATIONS:****MATERIAL:**

MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK

CONTACT = PHOSPHOR BRONZE

JACKSCREW = STAINLESS STEEL

FINISH (CONTACTS):

05 = 0.25 - 0.3µm GOLD

22 = 0.75µm GOLD ON CONTACT AREA,
3µm 90/10 TIN/LEAD ON TAILS42 = 0.75µm GOLD ON CONTACT AREA,
3µm 100% TIN OVER NICKEL ON TAILS

ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC

CONTACT RESISTANCE = 25 mΩ MAX

INSULATION RESISTANCE = 100 MΩ MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING: TUBE

FOR COMPLETE SPECIFICATION, SEE
COMPONENT SPEC C005XX (LATEST ISSUE)**ORDER CODE:****M80-531XXXX**

TOTAL No. OF CONTACTS

04 TO 50

(EVEN NUMBERS ONLY)

FINISH

05 - GOLD

22 - SELECTIVE GOLD + TIN/LEAD

42 - SELECTIVE GOLD + 100% TIN

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 ON CONTACT AREA AND 100% TIN OVER NICKEL ON TAIL, M80-5312042 DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

NOTES:1. RECOMMENDED PCB HOLE
SIZE = $\varnothing 0.70\text{mm} \pm 0.05$.

MSP	3	18.08.15	13052
NAME	ISS.	DATE	C/NOTE
APPROVED:	M. PERREN		
CHECKED:	M. PLESTED		
DRAWN:	W. J. BOURNE		
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.**TOLERANCES**
X. = $\pm 1\text{mm}$
X.X = $\pm 0.50\text{mm}$
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: mm²**TITLE:** JACKSCREW DATAMATE
DIL HORIZONTAL PC TAIL
(4.5mm) MALE ASSEMBLY

DRAWING NUMBER:

M80-531XXXXSHT
2 OF 2

Mouser Electronics

Authorized Distributor

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Harwin:

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