

Customer Information Sheet

DRAWING No.: M80-531XXXX

SHEET 2 OF 2

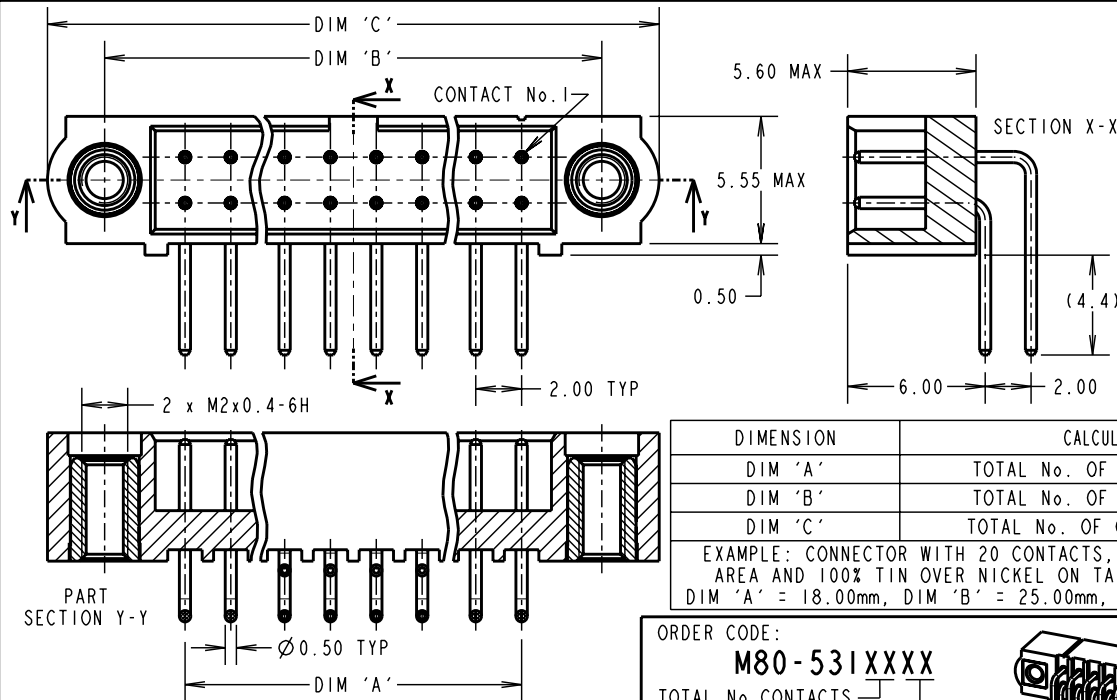
IF IN DOUBT - ASK

©

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):
 22 = 0.75µm GOLD ON CONTACT AREA,
 3µm 90/10 TIN/LEAD ON TAILS
 42 = 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 = 120V AC/DC
 VOLTAGE PROOF = 360V 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)

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

ORDER CODE:
M80-531XXXX

TOTAL No CONTACTS
 (EVEN NUMBERS ONLY)

FINISH _____
 22 - GOLD ON CONTACT AREA, TIN/LEAD ON TAILS
 42 - GOLD ON CONTACT AREA, 100% TIN OVER NICKEL ON TAILS

CP	1	02.09.10	10870
NAME	ISS.	DATE	C/NOTE
APPROVED: C.PENROSE			
CHECKED: R.ADDE			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

NOTES:
 1. RECOMMENDED PCB HOLE
 SIZE = Ø0.65mm MIN.

HARWIN

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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: JACKSCREW DATAMATE
 DIL HORIZONTAL PC TAIL
 (4.5mm) MALE ASSEMBLY

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SHT
 2
 OF 2