

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Harwin Inc.](#)
[M80-5122042](#)

For any questions, you can email us directly:

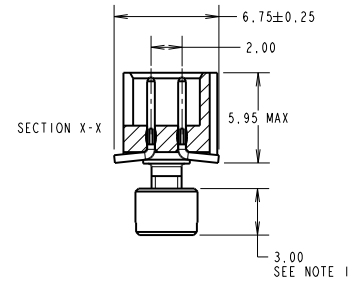
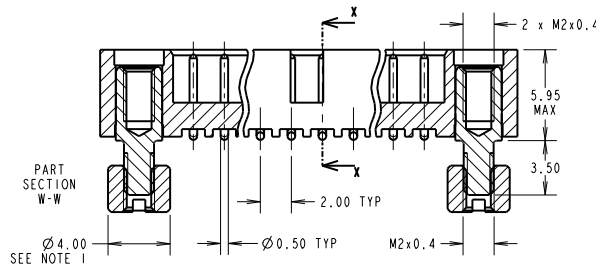
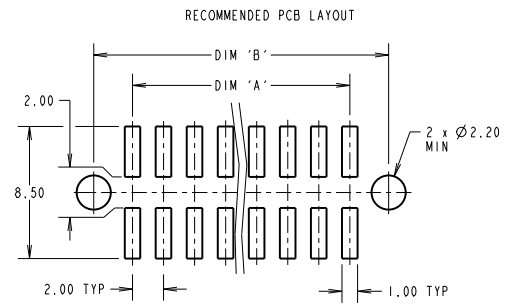
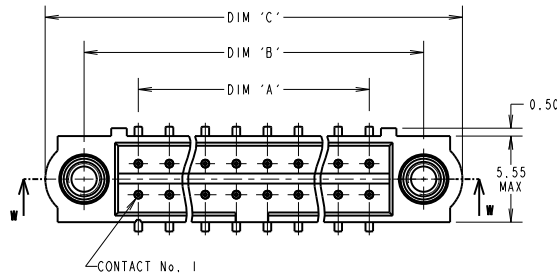
sales@integrated-circuit.com

Customer Information Sheet

DRAWING No.: M80-512XXXX SHEET 2 OF 2 IF IN DOUBT - ASK (C) 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 = 0.75µ GOLD ALL OVER
22 = 0.75µ GOLD ON CONTACT AREA,
3µ 90/10 TIN/LEAD ON TAILS
42 = 0.75µ GOLD ON CONTACT AREA,
3µ 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 WITH FIXINGS IN ATTACHED BAG.
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 ON TAIL, M80-5122042.
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm

NOTES:
1. CONNECTOR IS SUPPLIED WITH BOARD MOUNT NUTS
NOT ASSEMBLED AS SHOWN. SUPPLIED LOOSE IN
BAG ATTACHED TO PACKING TUBE.

HARWIN
www.harwin.com
technical@harwin.com

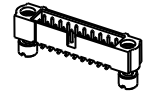
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ORDER CODE:

M80-512XXXX

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

FINISH
05 - GOLD ALL OVER
22 - GOLD ON CONTACT AREA / TIN/LEAD ON TAIL
42 - GOLD ON CONTACT AREA / 100% TIN ON TAIL



MSP	8	04.04.16	13302
NAME	JSS	DATE	C/NOTE
APPROVED:			
CHECKED:			
DRAWN:	W. J. BOURNE		
CUSTOMER REF.:			
ASSEMBLY DRG:			

TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:
SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: DATAMATE J-TEK
MALE VERTICAL SMT ASSY
WITH 3.5mm BOARD MOUNT
DRAWING NUMBER: M80-512XXXX **SHT** 2 of 2