

Customer Information Sheet

DRAWING No.: M80-5S2XXXXMQ

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:
MOULDING = GLASS-FILLED PPS,
UL94V-0, BLACK
CONTACTS, STRAIN RELIEF STRAPS = BRASS
JACKSCREW = STAINLESS STEEL

FINISH:
CONTACTS:
05 = 0.75µ 100% GOLD
22 = 0.75µ GOLD ON CONTACT AREA,
3µm 90/10 TIN/LEAD ON TAILS
42 = 0.75µ GOLD ON CONTACTS AREA,
3µm 100% TIN OVER NICKEL ON TAILS

STRAIN RELIEF STRAPS:
2.5µ MIN 100% TIN OVER 1.6µ MIN NICKEL

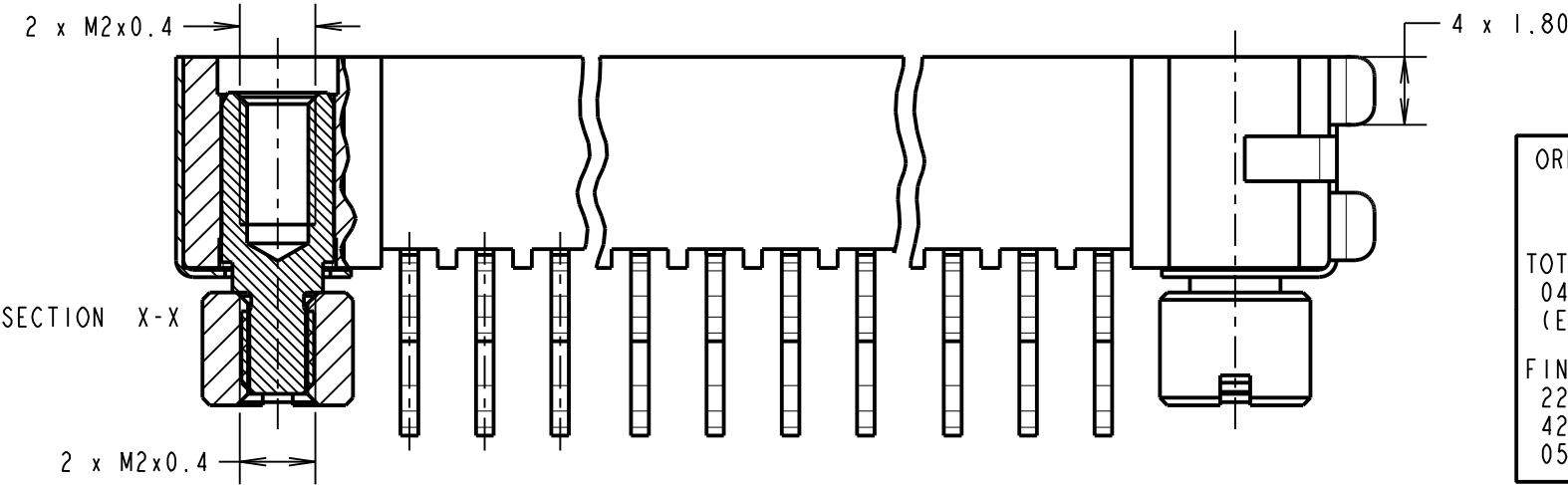
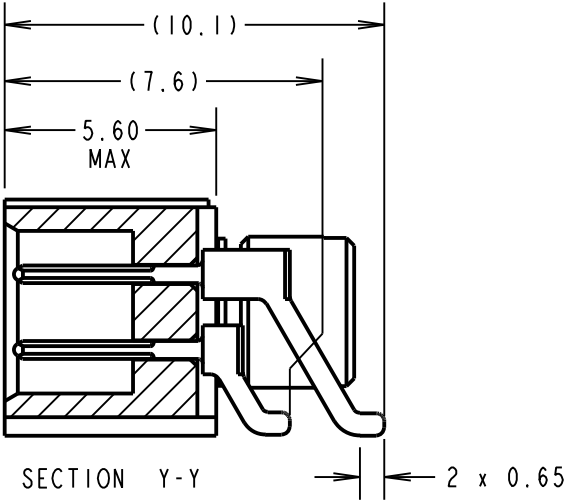
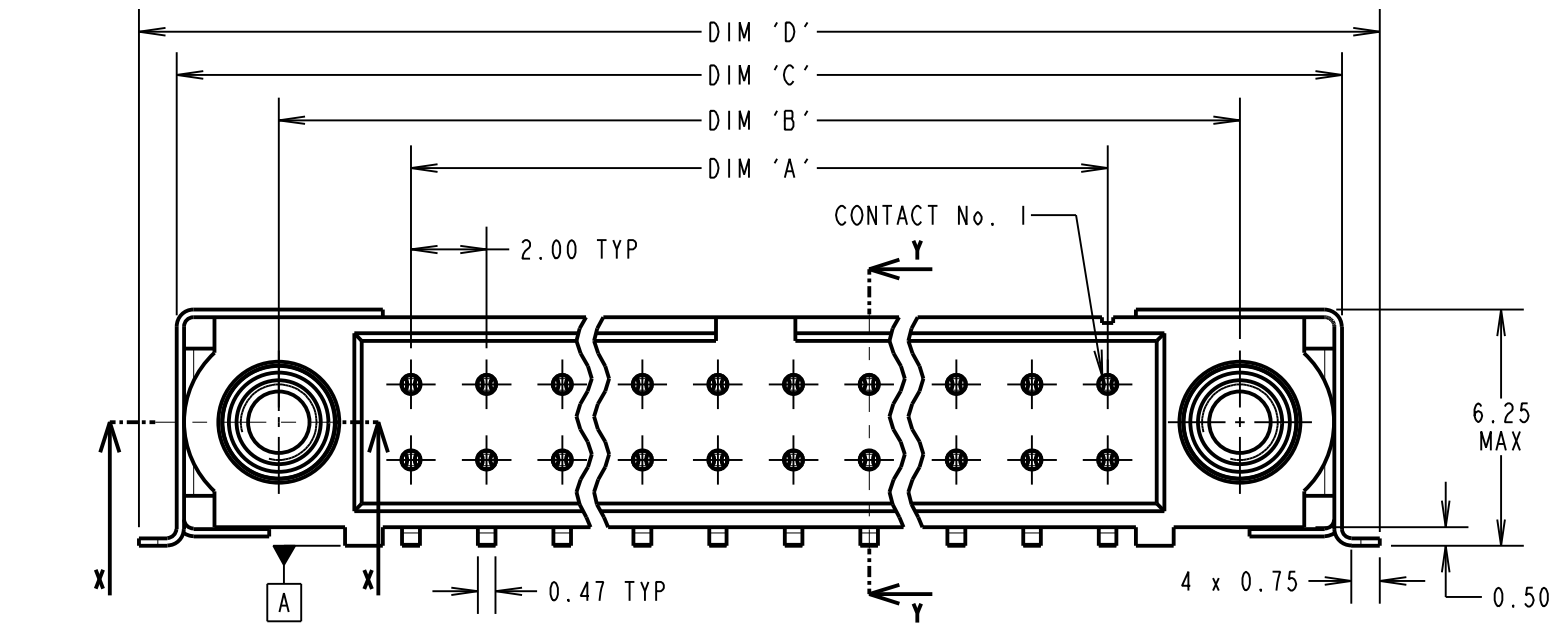
ELECTRICAL:
CURRENT RATING AT 25°C = 3.0A MAX
CURRENT RATING AT 85°C = 2.2A MAX
WORKING VOLTAGE = 800V AC/DC
VOLTAGE PROOF = 1200V AC/DC
CONTACT RESISTANCE = 25mΩ MAX
INSULTAION RESISTANCE = 100MΩ MIN

MECHANICAL:
DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:
TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

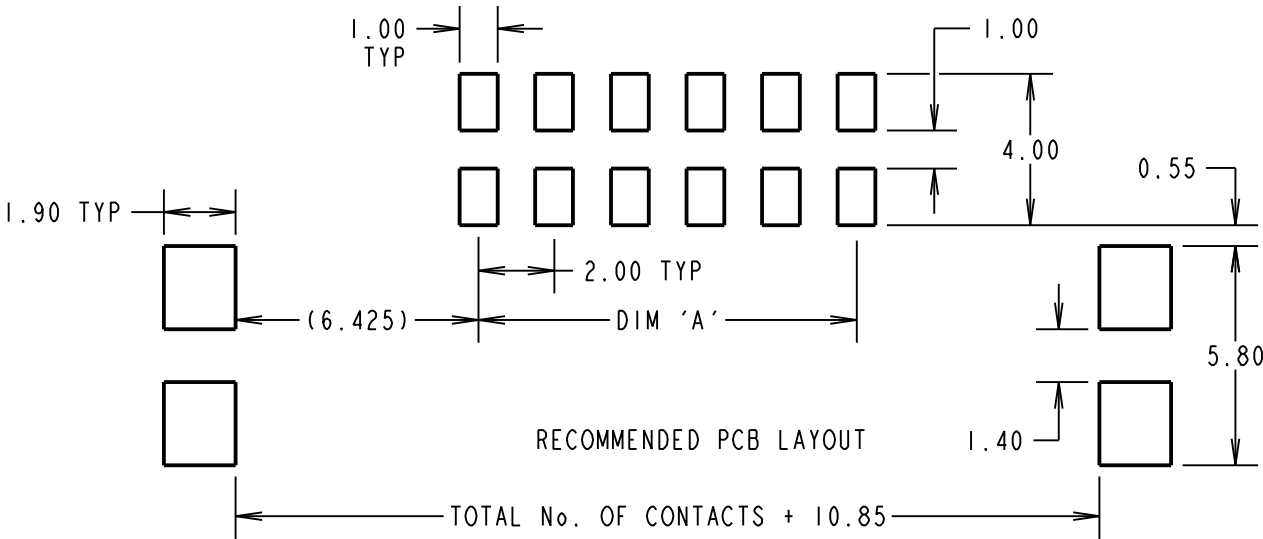
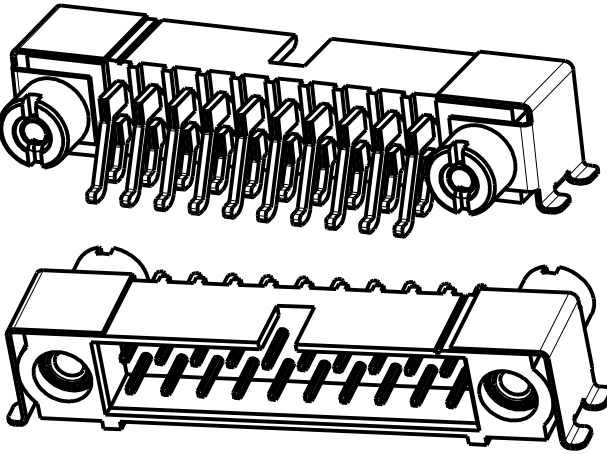


ORDER CODE:

M80-5S2XXXXMQ

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

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



DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2.00
DIM 'B'	TOTAL No. OF CONTACTS + 5.00
DIM 'C'	TOTAL No. OF CONTACTS + 12.00 MAX
DIM 'D'	TOTAL No. OF CONTACTS + 14.00 MAX

EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD ON CONTACT AREA AND 100% TIN OVER NICKEL ON TAIL
M80-5S22042MQ

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm,
DIM 'C' = 32.00mm MAX, DIM 'D' = 34.00mm MAX

HARWIN
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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: JACKSCREW DATAMATE DIL
HORIZONTAL SMT MALE ASSY
WITH SMT STRAIN RELIEF STRAPS

DRAWING NUMBER:

M80-5S2XXXXMQ

SHT
2 OF 2

MSP	6	12.12.14	12724
NAME	ISS.	DATE	C/NOTE
APPROVED:			
CHECKED:			
DRAWN: S. MCCULLAGH			
CUSTOMER REF.:			
ASSEMBLY DRG:			

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M80-5S20605MQ](#) [M80-5S20805MQ](#) [M80-5S21005MQ](#) [M80-5S21405MQ](#) [M80-5S22005MQ](#) [M80-5S22605MQ](#)
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[5S20642MQ](#) [M80-5S21242MQ](#) [M80-5S21205MQ](#) [M80-5S23442MQ](#) [M80-5S20622MQ](#) [M80-5S20822MQ](#) [M80-](#)
[5S21022MQ](#) [M80-5S21222MQ](#) [M80-5S22022MQ](#) [M80-5S22622MQ](#) [M80-5S21422MQ](#) [M80-5S23422MQ](#)