

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 = 0.75 μ 100% GOLD
22 = 0.75 μ GOLD ON CONTACT AREA,
0.3 μ 90/10 TIN/LEAD ON TAILS
42 = 0.75 μ GOLD ON CONTACTS AREA,
0.3 μ 100% TIN OVER NICKEL ON TAILS
STRAIN RELIEF STRAPS = 3.5/3.5 μ 100% TIN
OVER 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 = 25m Ω MAX
INSULTAION RESISTANCE = 100M Ω MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

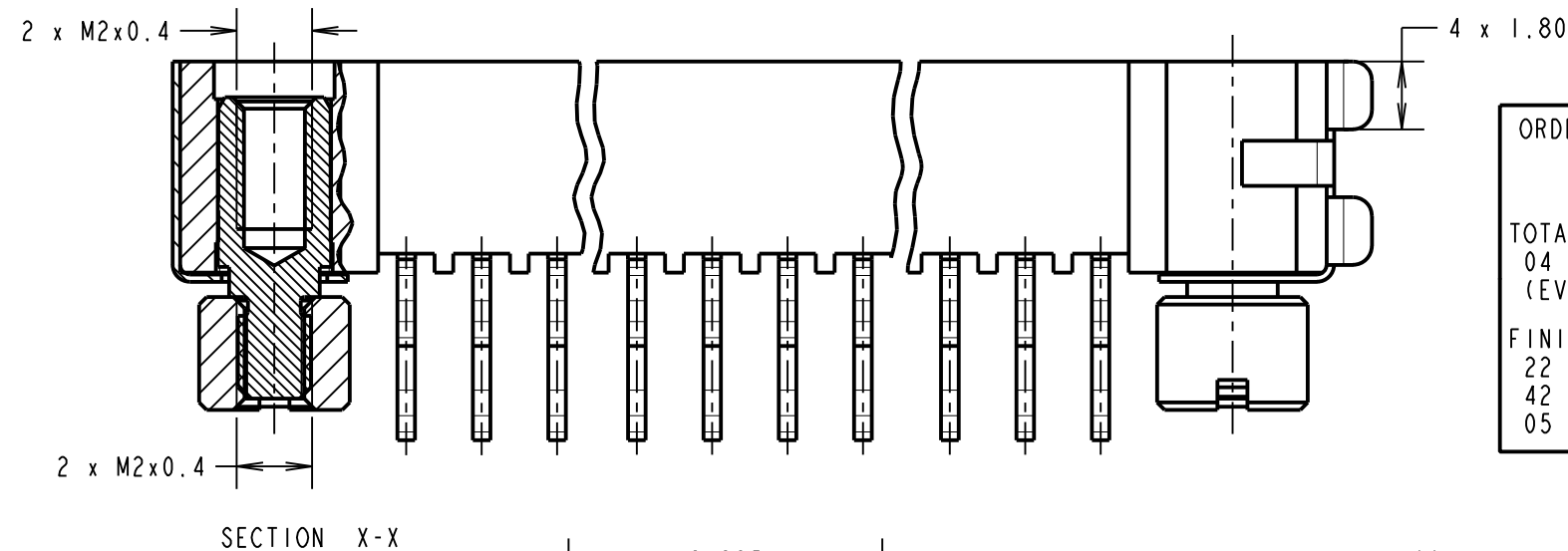
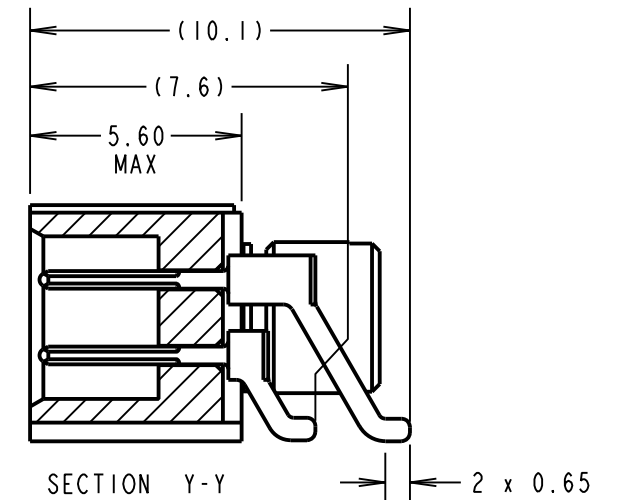
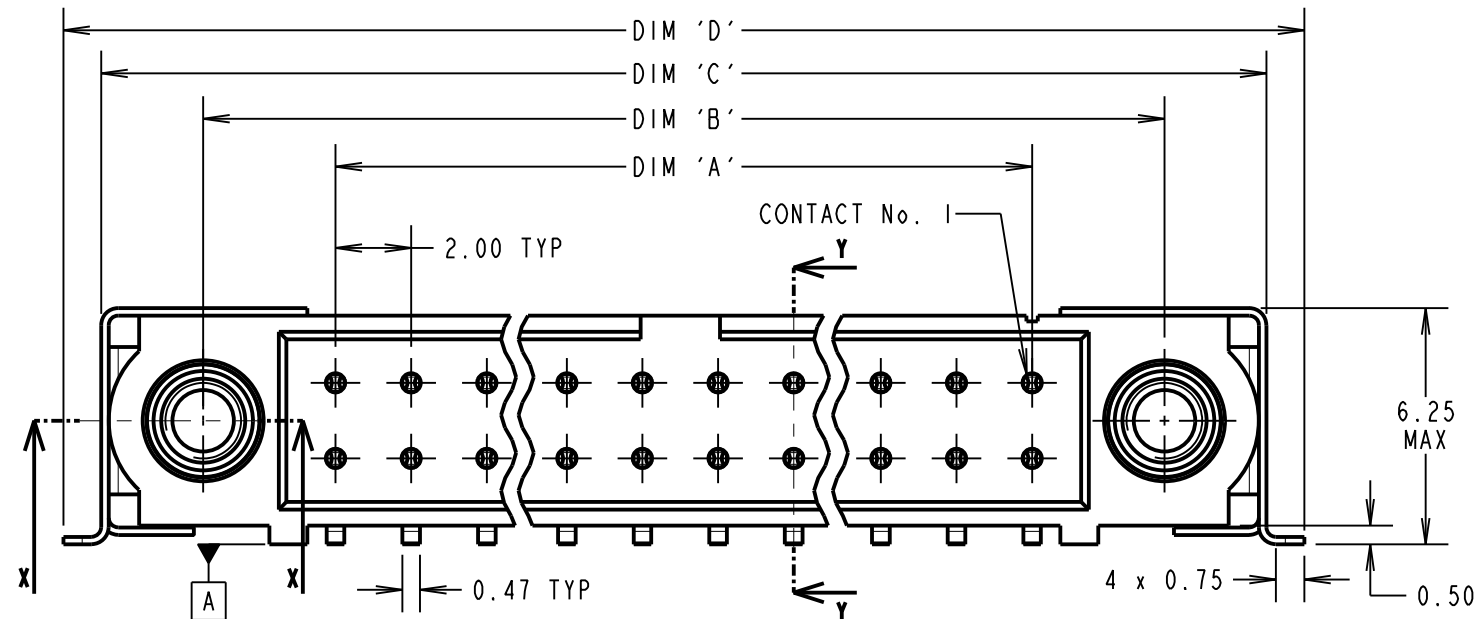
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

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



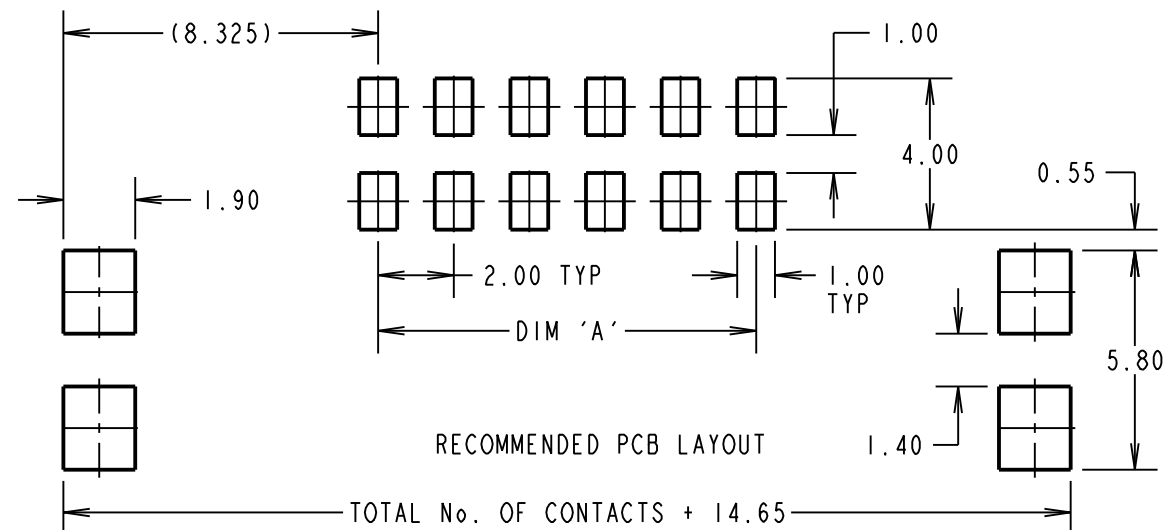
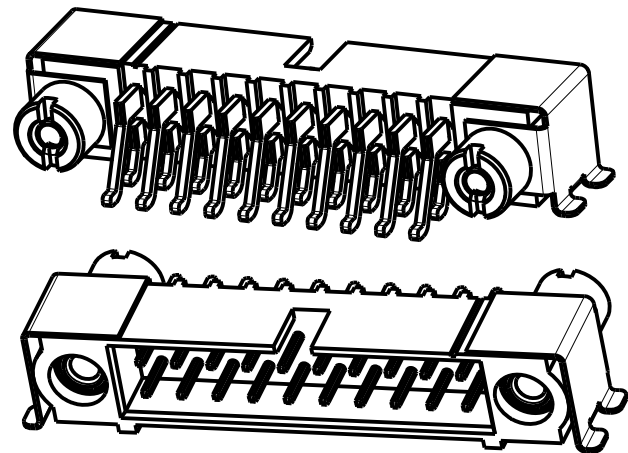
ORDER CODE:

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. = ± 1 mm
X.X = ± 0.25 mm
X.XX = ± 0.10 mm
X.XXX = ± 0.01 mm
ANGLES = $\pm 5^\circ$
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

SF	3	04.03.13	11958
NAME	ISS.	DATE	C/NOTE
APPROVED: S.FLOWER			
CHECKED: S.BENNETT			
DRAWN: S. MCCULLAGH			
CUSTOMER REF.:			
ASSEMBLY DRG:			