

# 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 =  $0.75\mu$  100% GOLD  
22 =  $0.75\mu$  GOLD ON CONTACT AREA,  
 $0.3\mu$  90/10 TIN/LEAD ON TAILS  
42 =  $0.75\mu$  GOLD ON CONTACTS AREA,  
 $0.3\mu$  100% TIN OVER NICKEL ON TAILS

STRAIN RELIEF STRAPS:

$2.5\mu$  MIN 100% TIN OVER  $1.6\mu$  MIN NICKEL

**ELECTRICAL:**

CURRENT RATING AT  $25^\circ\text{C}$  = 3.0A MAX

CURRENT RATING AT  $85^\circ\text{C}$  = 2.2A MAX

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC

CONTACT RESISTANCE =  $25\text{m}\Omega$  MAX

INSULATION RESISTANCE =  $100\text{M}\Omega$  MIN

**MECHANICAL:**

DURABILITY = 500 OPERATIONS

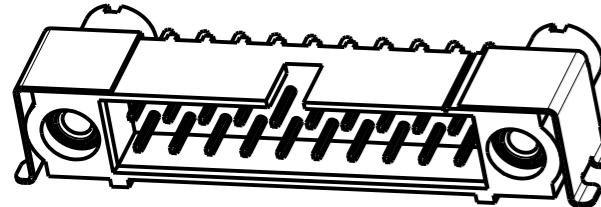
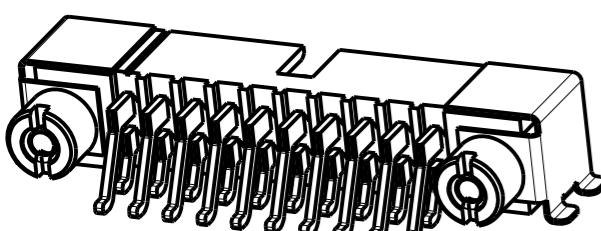
**ENVIRONMENTAL:**

TEMPERATURE RANGE =  $-55^\circ\text{C}$  TO  $+125^\circ\text{C}$

**PACKING:**

TUBE

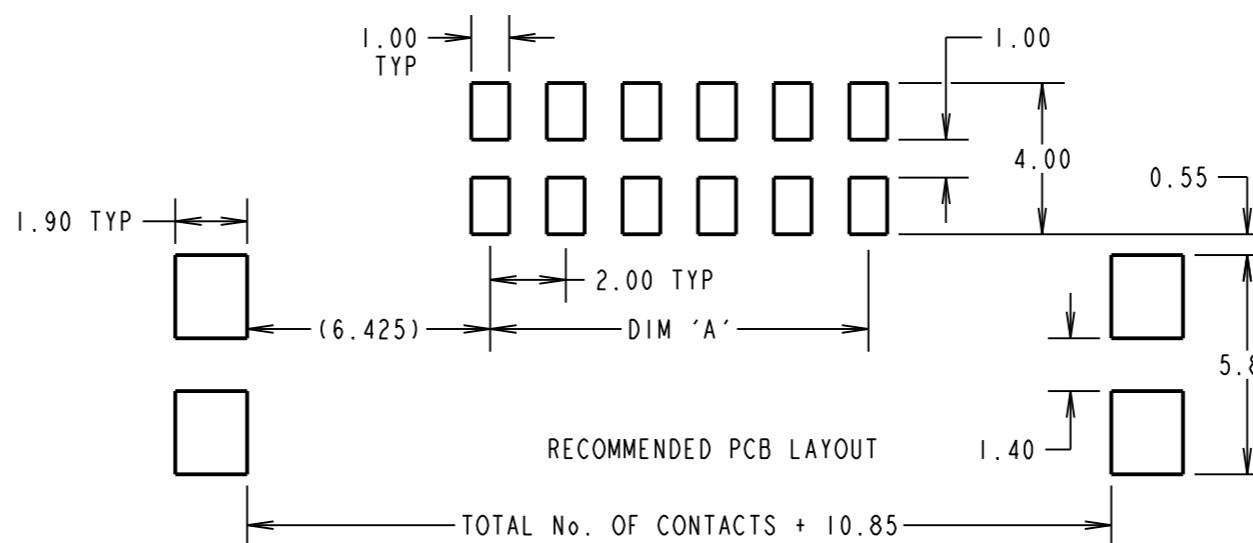
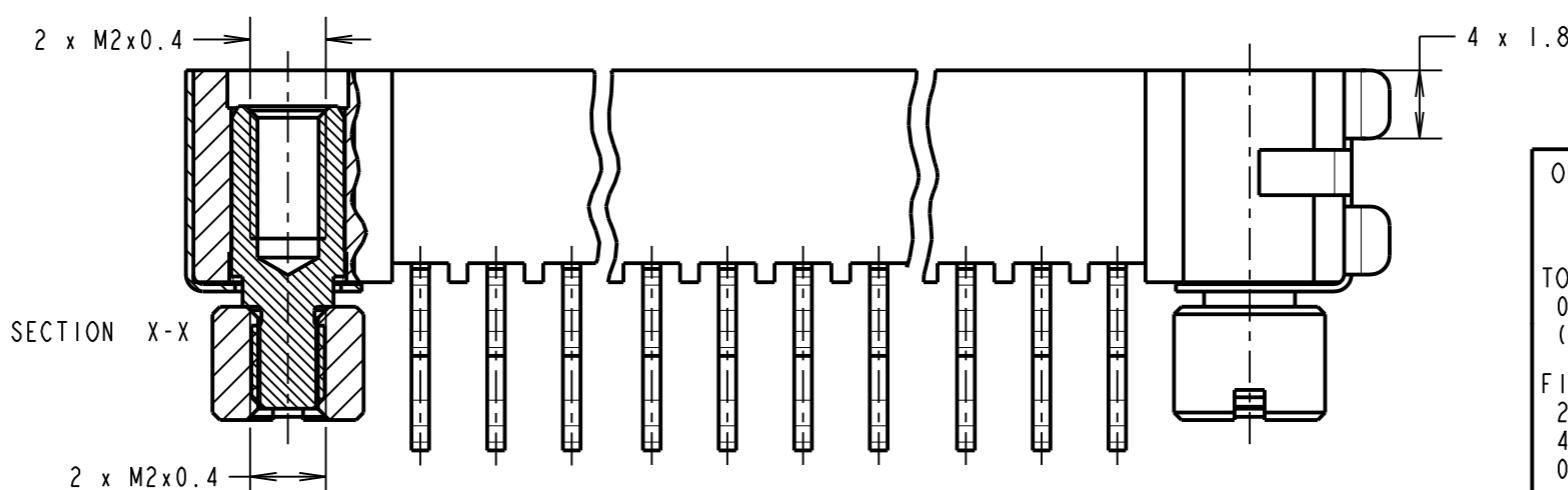
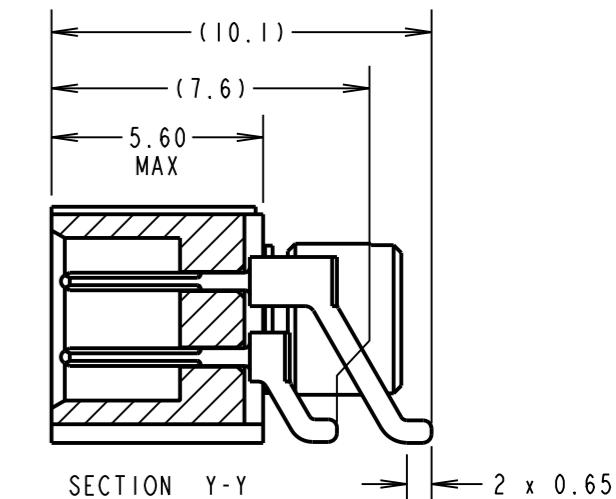
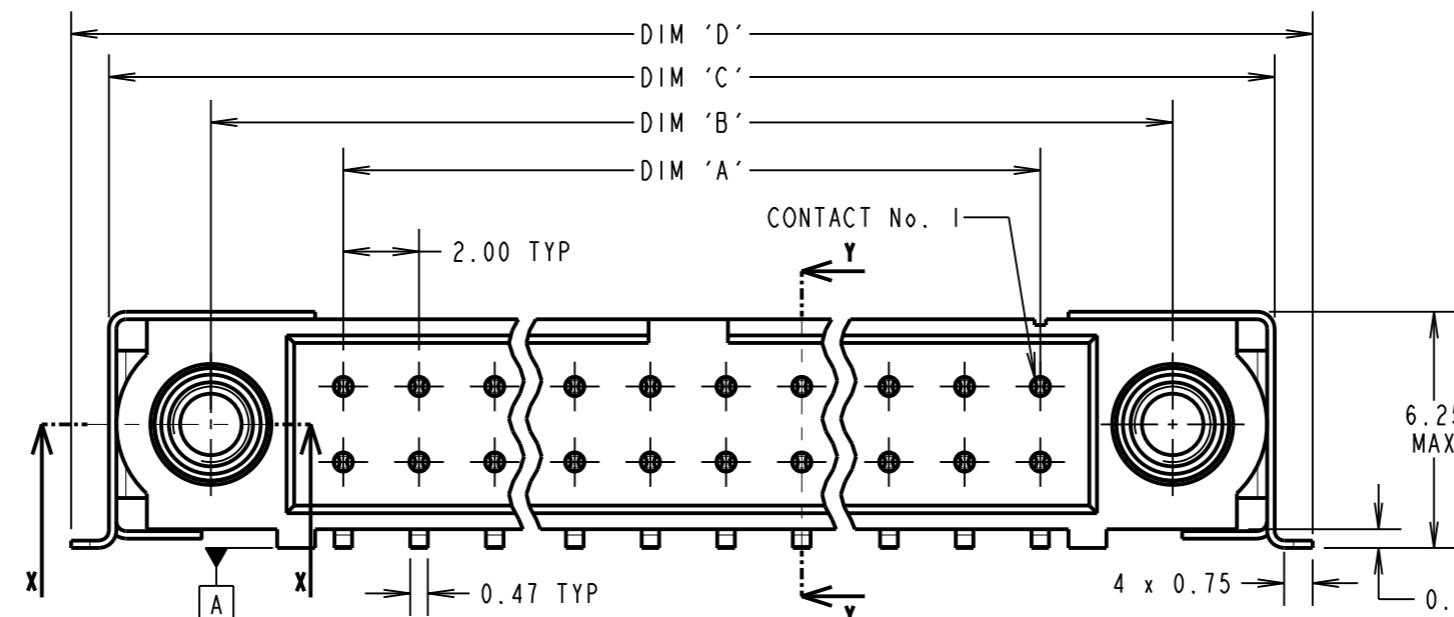
FOR COMPLETE SPECIFICATION, SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)



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. =  $\pm 1\text{mm}$   
X.X =  $\pm 0.25\text{mm}$   
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: mm<sup>2</sup>

TITLE: JACKSCREW DATAMATE DIL  
HORIZONTAL SMT MALE ASSY  
WITH SMT STRAIN RELIEF STRAPS  
DRAWING NUMBER:  
M80-5S2XXXXMQ  
SHT 2 OF 2

SB	5	21.01.14	12340
NAME	ISS.	DATE	C/NODE
APPROVED:	S.BENNETT		
CHECKED:	S.FLOWER		
DRAWN:	S. MCCULLAGH		
CUSTOMER REF.:			
ASSEMBLY DRG:			