Customer Information Sheet

DIM 'B'
DIM 'C'
CONTACT No.1
5.55 MAX
0.47 TYP
2.00 TYP
0.50
DIM 'A'

(10.1)
(7.6)
5.60 MAX
SECTION Z-Z
2 x 0.65

PART
SECTION Y-Y
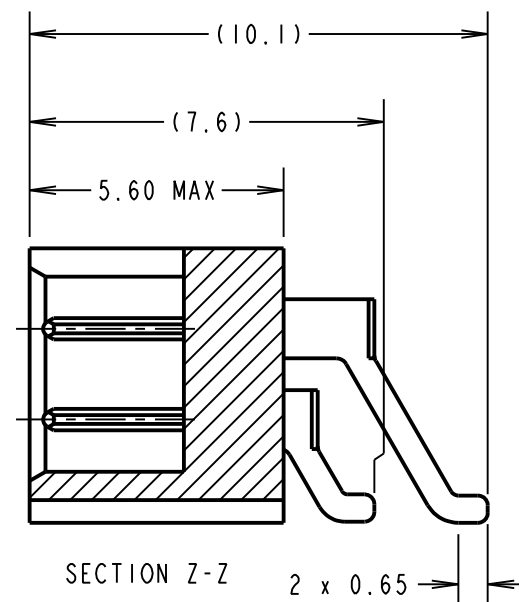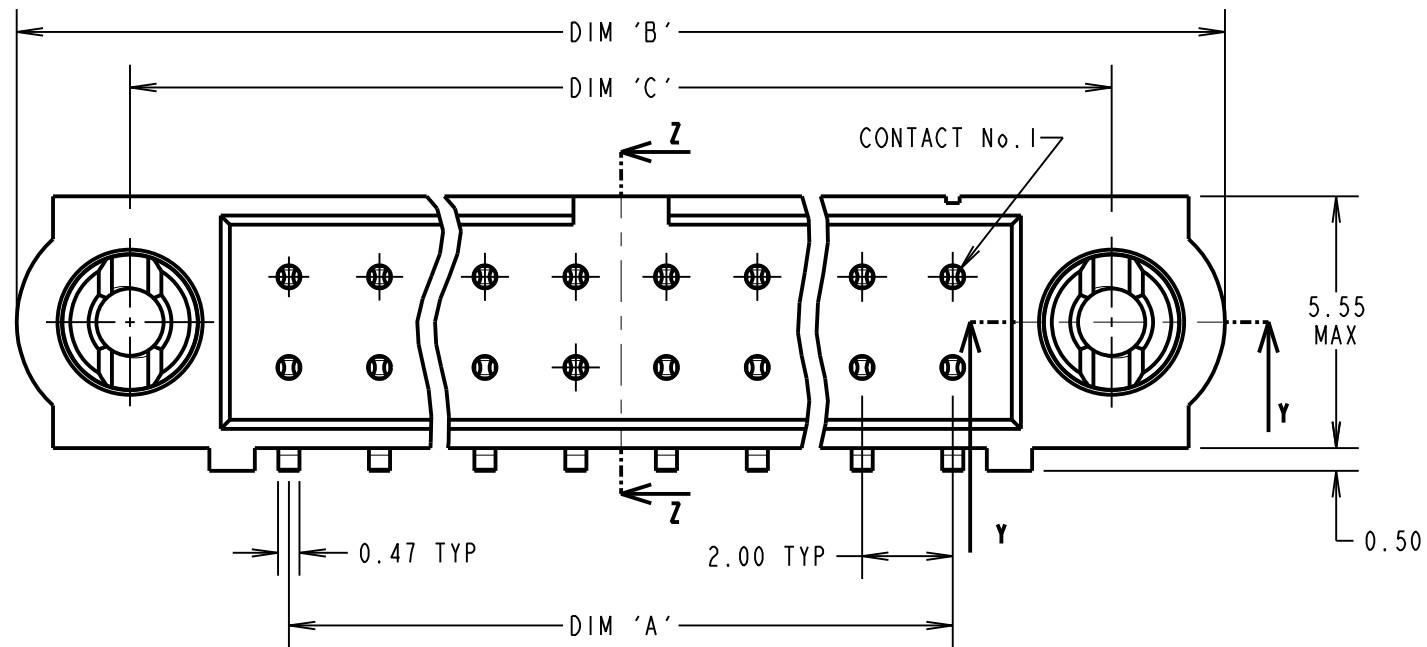
SPECIFICATIONS:
MATERIAL:
MOULDING = GLASS-FILLED PPS,
UL94V-0, BLACK
CONTACT = COPPER ALLOY
101ILOK RETAINER = STAINLESS STEEL
FINISH:
22 = 0.75µ GOLD ON CONTACT AREA,
3µm 90/10 TIN/LEAD ON TAILS
42 = 0.75µ GOLD ON CONTACT AREA,
3µm 100% TIN OVER NICKEL ON TAILS
ELECTRICAL:
CURRENT RATING AT 25°C = 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
SPECIFICATION C005XX (LATEST ISSUE)
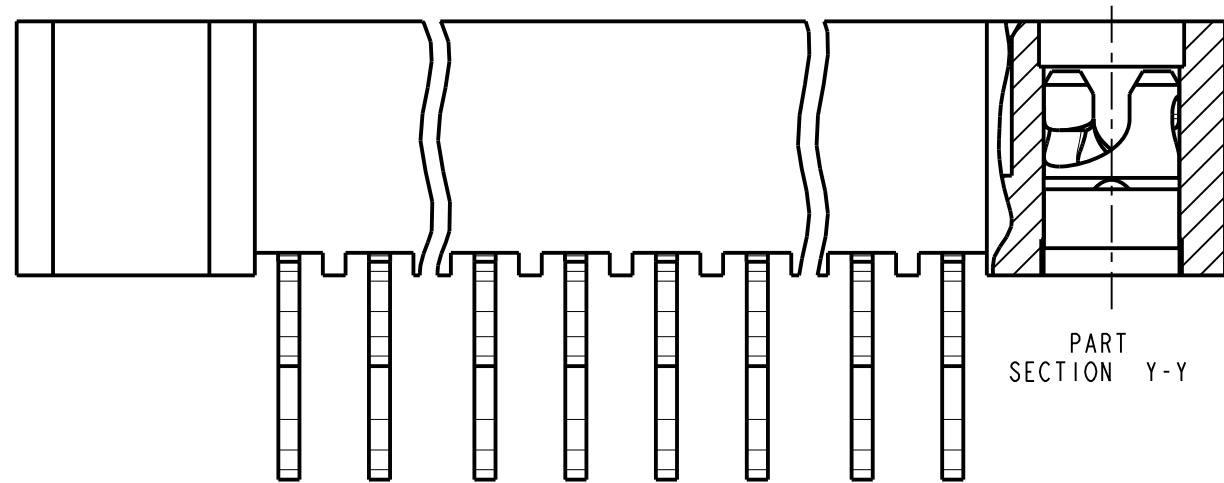
DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 10
DIM 'C'	TOTAL No. OF CONTACTS + 5

EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD ON CONTACT
AREA AND 100% TIN OVER NICKEL ON TAIL,
M80-5S22042MC

DIM 'A' = 18.00mm, DIM 'B' = 30.00mm, DIM 'C' = 25.00mm

RECOMMENDED
PCB LAYOUT
1.00 TYP
2.00 TYP
1.00
1.50 TYP
DIM 'A'
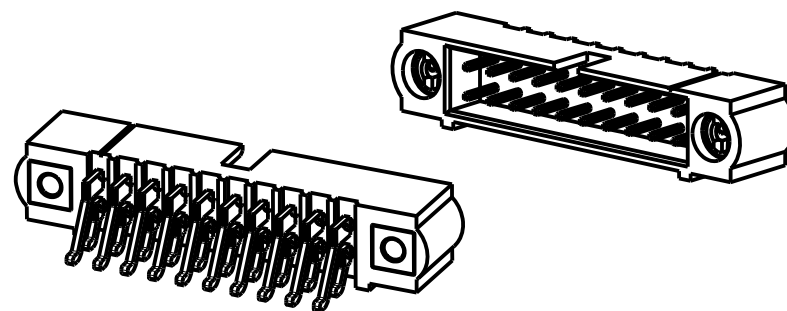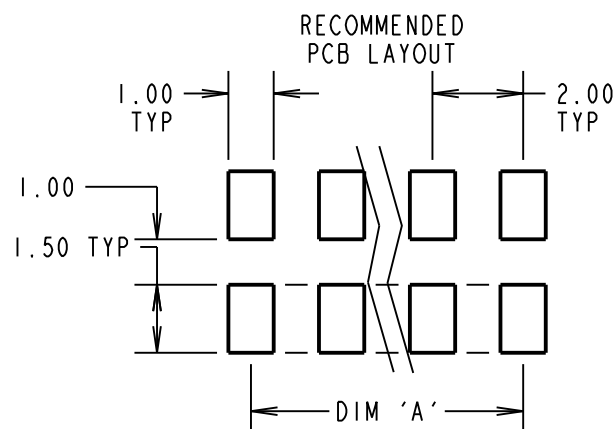
ORDER CODE:

M80-5S2XXXXMC

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

FINISH CODE
22 - GOLD ON CONTACT AREA / TIN/LEAD ON TAIL
42 - GOLD ON CONTACT AREA / 100% TIN ON TAIL

MSP	3	12.12.14	12724
NAME	ISS.	DATE	C/NOTE

APPROVED: M.PERREN
CHECKED: M.PLESTED
DRAWN: R.ADDE
CUSTOMER REF.:
ASSEMBLY DRG:

HARWIN
www.harwin.com
technical@harwin.com

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 SMT
MALE ASSEMBLY

DRAWING NUMBER:
M80-5S2XXXXMC

SHT 2 OF 2