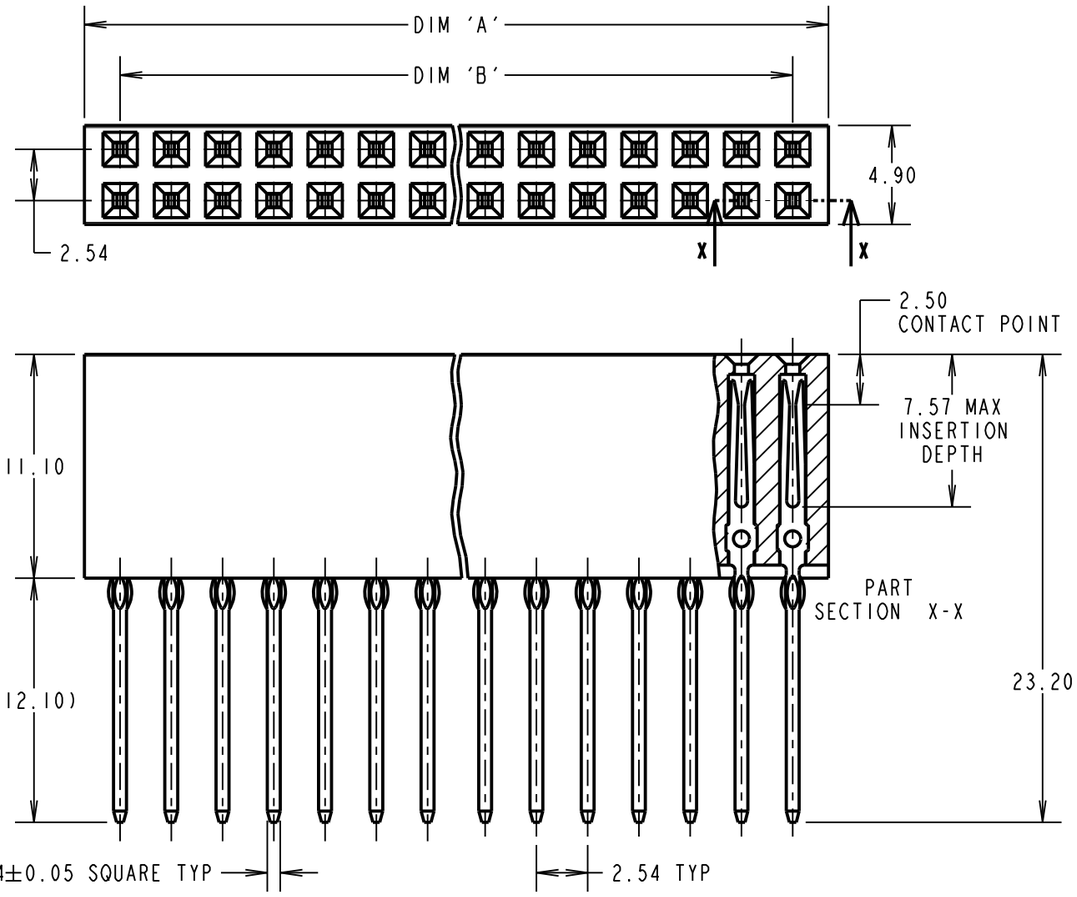
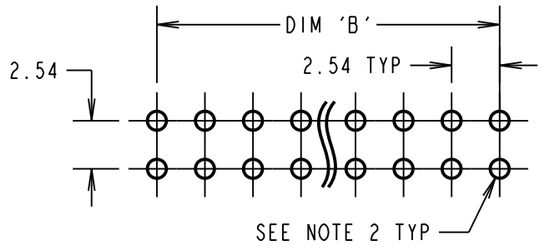
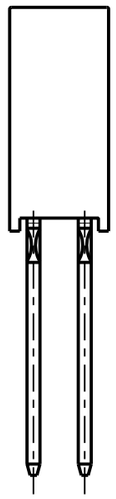
Customer Information Sheet

DRAWING No.: M20-615XX05	SHEET 2 OF 2	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm





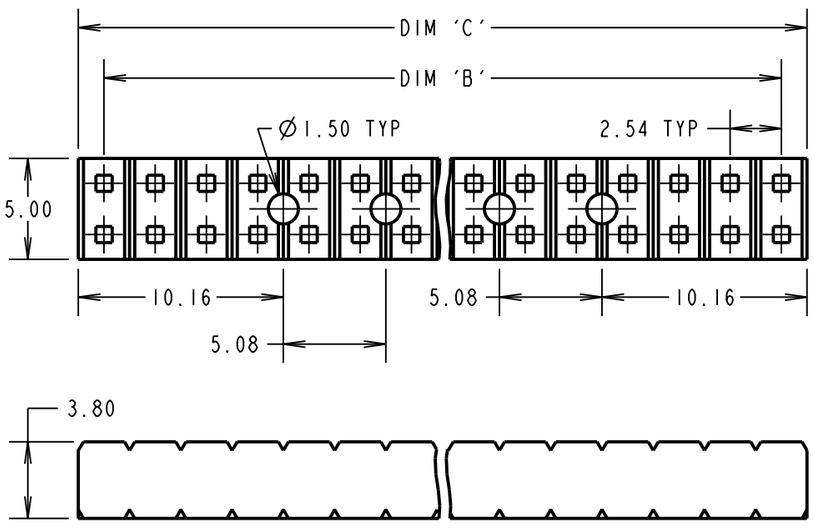
CONNECTOR DETAIL

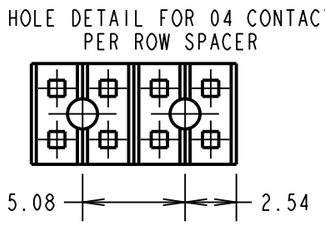


SPECIFICATIONS:
- MATERIAL:
  - MOULDING = PPS UL94V-0 BLACK
  - CONTACTS = PHOSPHOR BRONZE
- FINISH:
  - CONTACTS = 0.25µm GOLD OVER NICKEL
- ELECTRICAL:
  - CURRENT RATING = 1A MAX
  - CONTACT RESISTANCE = 30mΩ MAX
  - INSULATION RESISTANCE = 5,000 MΩ MIN
  - DIELECTRIC STRENGTH = 1000V AC FOR ONE MINUTE
- MECHANICAL:
  - DURABILITY = 10 OPERATIONS
  - INSERTION FORCE (CONTACT) = 2N/PIN MAX
  - WITHDRAWAL FORCE (CONTACT) = 0.25N/PIN MIN
  - INSERTION FORCE (BOARD) = 80N/PIN MAX
  - WITHDRAWAL FORCE (BOARD) = 20N/PIN MIN
- ENVIRONMENTAL:
  - TEMPERATURE RANGE = -55°C TO +105°C
- PACKING:
  - TUBE FOR CONNECTOR & PLASTIC BAG FOR SPACER

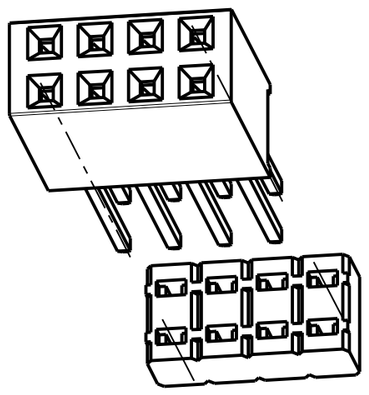
FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICAITON C039XX (LATEST ISSUE)

NOTES:
1. ALL TOLERANCES ARE ±0.20 UNLESS OTHERWISE STATED.
2. RECOMMENDED PCB PLATED-THROUGH HOLE SIZE:
   DRILLED HOLE = Ø1.15±0.02mm,
   PLATING THICKNESSES = 25-75µm COPPER, 3µm MIN NICKEL/GOLD,
   FINAL PLATED HOLE = Ø1.09-1.00mm.





SPACER DETAIL



CONNECTOR/SPACER
COMPONENT (04 SIZE SHOWN)

PART No.	No. OF CONTACTS PER ROW	DIM 'A'	DIM 'B'	DIM 'C'
M20-6150405	04	11.18	7.62	10.16
M20-6152005	20	51.82	48.26	50.80
M20-6153205	32	82.30	78.74	81.28

ORDER CODE:
M20-615XX05
- No. OF CONTACTS PER ROW: 04, 20, 32
- FINISH: 05 = GOLD ALL OVER NICKEL

FM	10	16.04.18	21227
NAME	ISS.	DATE	C/NOTE

APPROVED: F. MCGOWAN
CHECKED: M. PLESTED
DRAWN: W. J. BOURNE
CUSTOMER REF.:
ASSEMBLY DRG:

HARWIN
www.harwin.com
technical@harwin.com

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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: PC104 PRESS-FIT CONNECTOR & SPACER (STACKTHROUGH)
DRAWING NUMBER: M20-615XX05
SHT 2 OF 2