

Customer Information Sheet

DRAWING No.: M20-616XX05

SHEET 2 OF 2

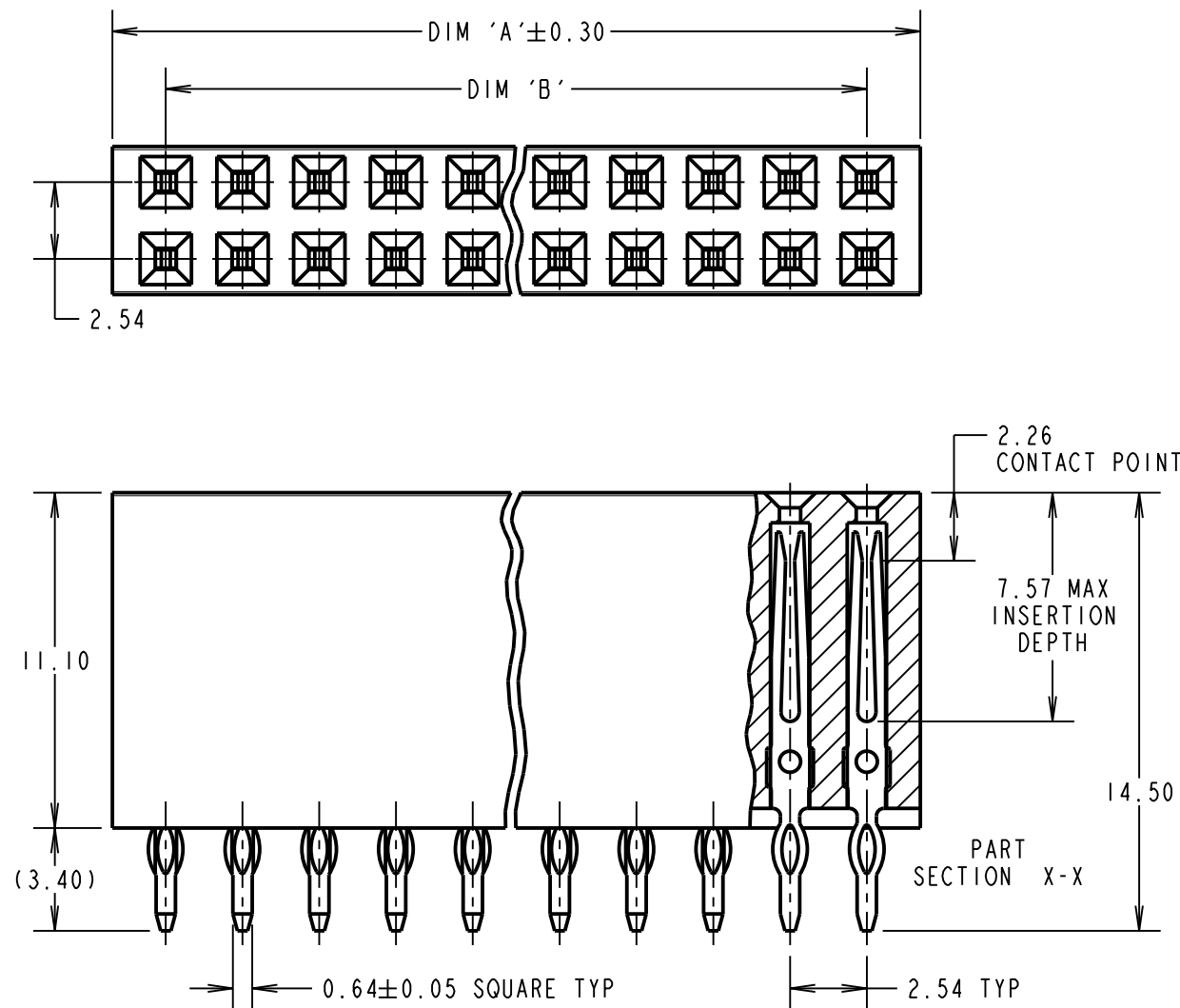
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTES:

1. ALL TOLERANCES ARE ± 0.20 UNLESS OTHERWISE STATED.
2. RECOMMENDED PCB PLATED-THROUGH HOLE SIZE:
 DRILLED HOLE = $\varnothing 1.15 \pm 0.02$ mm,
 PLATING THICKNESSES = 25-75 μ COPPER, 3 μ MIN NICKEL/GOLD,
 FINAL PLATED HOLE = $\varnothing 1.09$ -1.00mm.

SPECIFICATIONS:

MATERIAL:
 MOULDING = PPS UL94V-0 BLACK
 CONTACTS = PHOSPHOR BRONZE

FINISH:
 CONTACTS = 0.25 μ GOLD OVER NICKEL

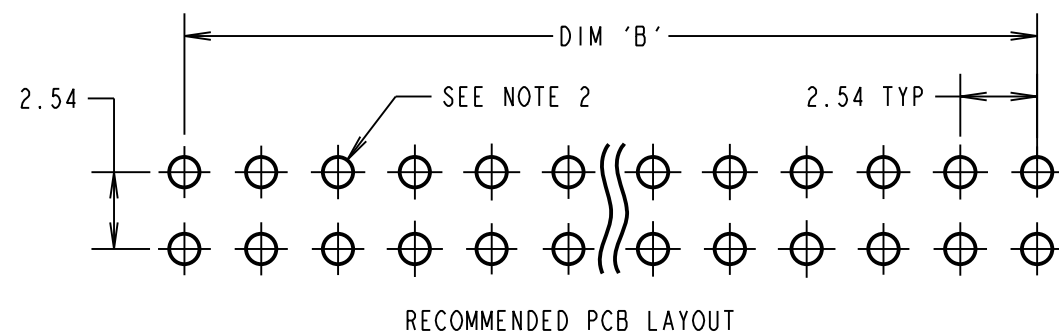
ELECTRICAL:
 CURRENT RATING = 1A MAX
 VOLTAGE RATING = 12V DC
 CONTACT RESISTANCE = 30m Ω MAX
 INSULATION RESISTANCE = 5,000M Ω MIN
 DIELECTRIC STRENGTH = 1000V AC FOR ONE MINUTE

MECHANICAL:
 DURABILITY = 10 OPERATIONS (MATING), 3 OPERATIONS (BOARD)
 INSERTION FORCE (MATING) = 2N/PIN MAX
 WITHDRAWAL FORCE (MATING) = 0.25N/PIN
 INSERTION FORCE (BOARD) = 80N/PIN MAX
 WITHDRAWAL FORCE (BOARD) = 20N/PIN

ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO +105°C

PACKING:
 TUBE

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



| PART No. | No. OF WAYS | DIM 'A' | DIM 'B' |
|-------------|-------------|---------|---------|
| M20-6162005 | 20+20 | 51.82 | 48.26 |
| M20-6163205 | 32+32 | 82.30 | 78.74 |

ORDER CODE:
M22-616XX05

No. OF CONTACTS PER ROW: 20, 32

FINISH: 05 = GOLD ALL OVER NICKEL

| | | | |
|---------------------|------|----------|--------|
| SB | 3 | 09.10.13 | 12212 |
| NAME | ISS. | DATE | C/NOTE |
| APPROVED: S.BENNETT | | | |
| CHECKED: M.PLESTED | | | |
| DRAWN: W. J. BOURNE | | | |
| CUSTOMER REF.: | | | |
| ASSEMBLY DRG: | | | |



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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:
 PC104 PRESS-FIT CONNECTOR (NON-STACKTHROUGH)

DRAWING NUMBER:
M20-616XX05

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