

# Customer Information Sheet

DRAWING No.: M22-201XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

**M22-201XXXX**

No. OF CONTACTS: \_\_\_\_\_  
02 TO 50

FINISH: \_\_\_\_\_  
05 = GOLD OVER NICKEL  
46 = 100% TIN OVER NICKEL

**SPECIFICATIONS:**

**MATERIAL:**

MOULDING = NYLON 6T, UL94V-0, BLACK  
CONTACTS = PHOSPHOR BRONZE

**FINISH:**

05 = GOLD  
46 = 100% TIN

**ELECTRICAL:**

CURRENT RATING = 1A  
VOLTAGE PROOF = 650V AC  
CONTACT RESISTANCE (INITIAL) = 15 mΩ MAX (GOLD), 20 mΩ MAX (TIN)  
CONTACT RESISTANCE (AFTER CONDITIONING) = 20 mΩ MAX (GOLD), 30 mΩ MAX (TIN)  
INSULATION RESISTANCE (INITIAL) = 1,000 MΩ MIN  
INSULATION RESISTANCE (AFTER CONDITIONING) = 100 MΩ MIN

**MECHANICAL:**

DURABILITY = 300 OPERATIONS (GOLD), 50 OPERATIONS (TIN)  
INSERTION FORCE = 2N MAX  
WITHDRAWAL FORCE = 0.3N MIN

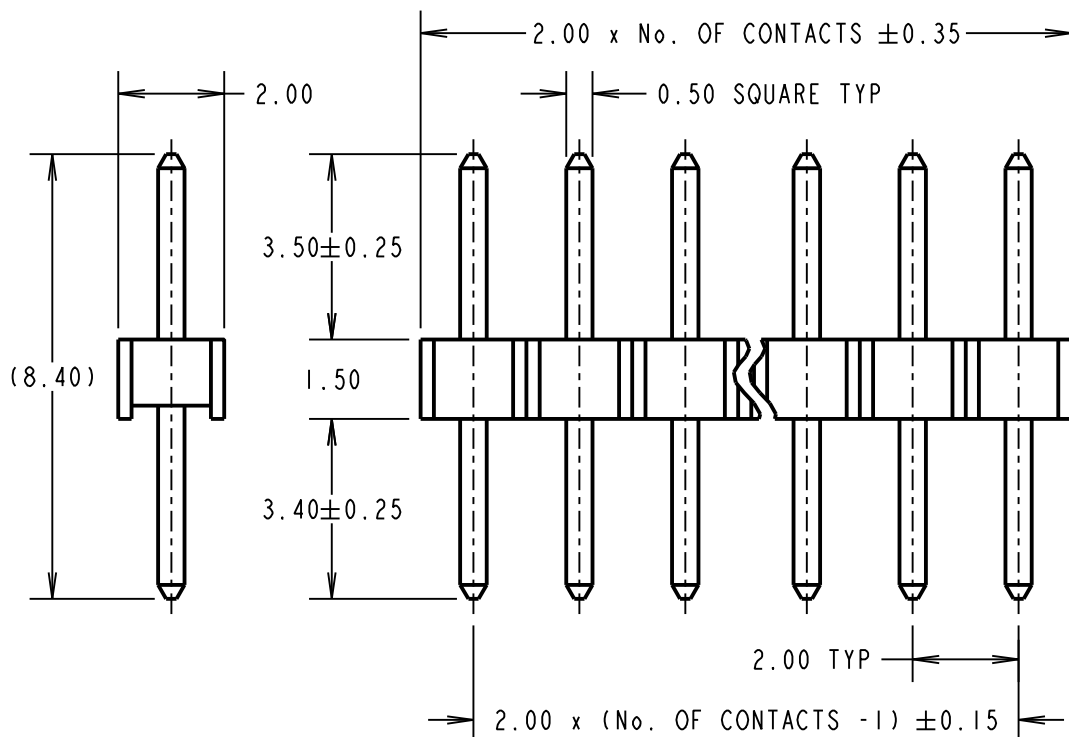
**ENVIRONMENTAL:**

TEMPERATURE RANGE = -55°C TO +105°C

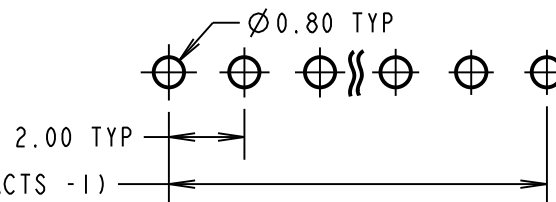
**PACKING:**

BAG

FOR COMPLETE SPECIFICATION, SEE  
COMPONENT SPECIFICATION CO18XX (LATEST ISSUE)



RECOMMENDED PCB LAYOUT  
(TOLERANCE = ±0.05)



**NOTES:**

1. ALL TOLERANCES ARE ±0.20 UNLESS OTHERWISE STATED.

SB	10	03.09.13	12198
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.BENNETT	
CHECKED:		M.PLESTED	
DRAWN:		P. D. COLLINS	
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

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**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:**

mm<sup>2</sup>

**TITLE:**

2.00mm PITCH SIL VERTICAL  
PIN HEADER ASSEMBLY

**DRAWING NUMBER:**

**M22-201XXXX**

SHT  
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OF  
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