



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Customer Information Sheet

DRAWING No.: M22-251XXXX

SHEET 2 OF 2

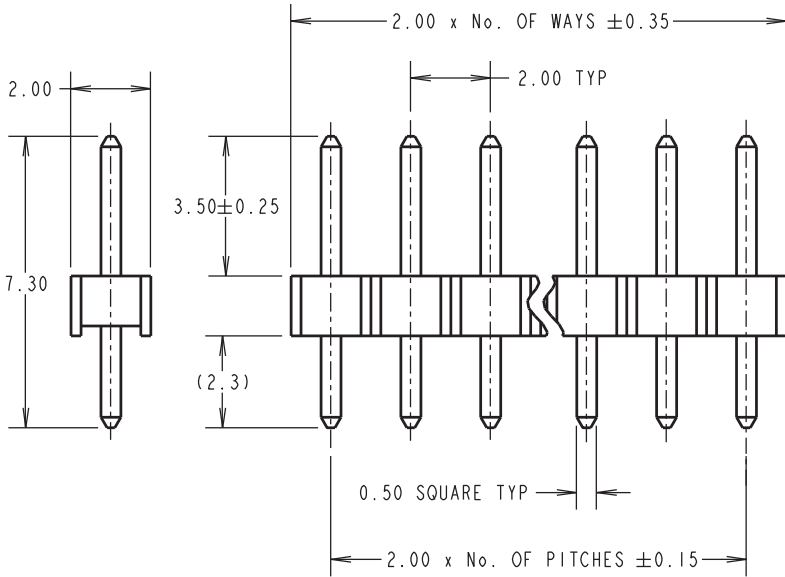
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



**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)  
 AFTER CONDITIONING = 20 mΩ MAX (GOLD), 30 mΩ MAX (TIN)  
 INSULATION RESISTANCE:  
 INITIAL = 1,000 MΩ MIN  
 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 C018XX (LATEST ISSUE)

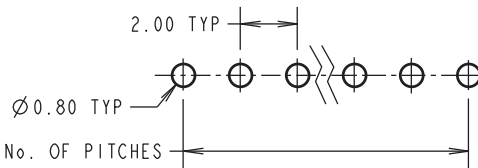
ORDER CODE:

**M22-251XXXX**

No. OF WAYS \_\_\_\_\_  
 01-50

FINISH \_\_\_\_\_  
 05 = GOLD  
 46 = 100% TIN

**RECOMMENDED PCB LAYOUT**



NOTES:  
 1. ALL TOLERANCES ARE ±0.20 UNLESS OTHERWISE STATED.

RA	7	04.02.09	10280
NAME	ISS.	DATE	C/NOTE
APPROVED:		R. ADDE	
CHECKED:		M.G. PLESTED	
DRAWN:		W. J. BOURNE	
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:**  
**M22-251XXXX**

SHT 2 OF 2