



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.: M20-615XX05 SHEET 2 OF 2

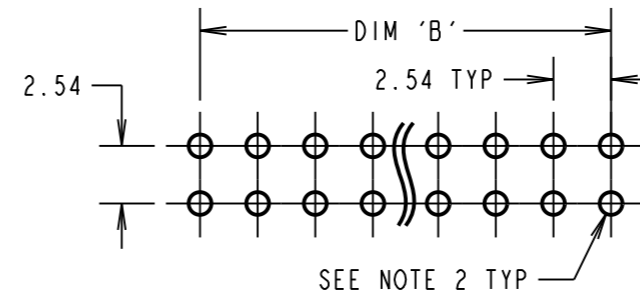
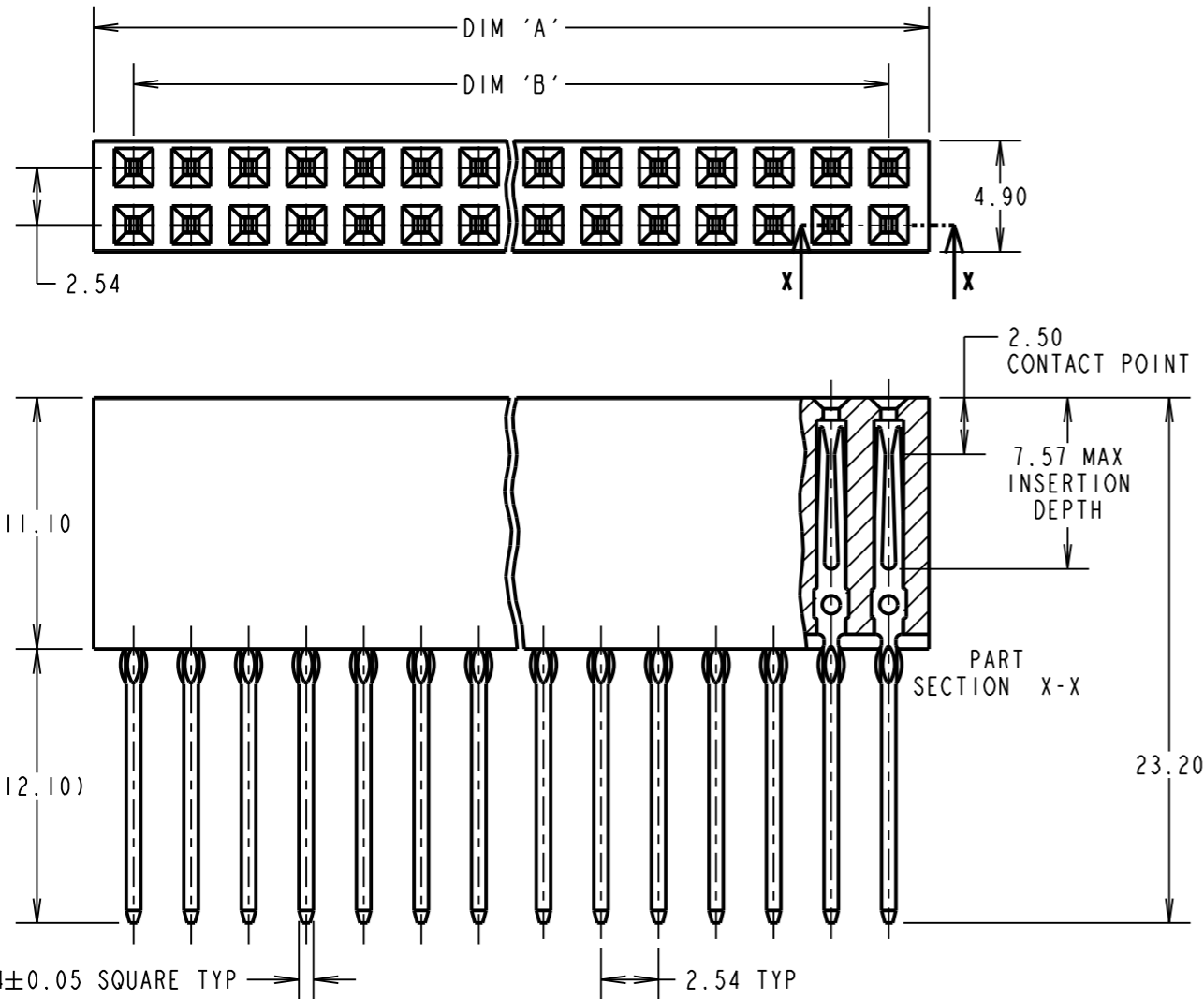
IF IN DOUBT - ASK

©

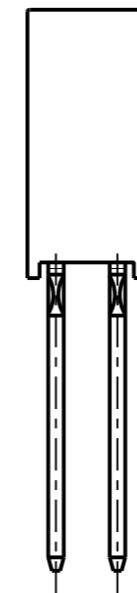
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



CONNECTOR DETAIL

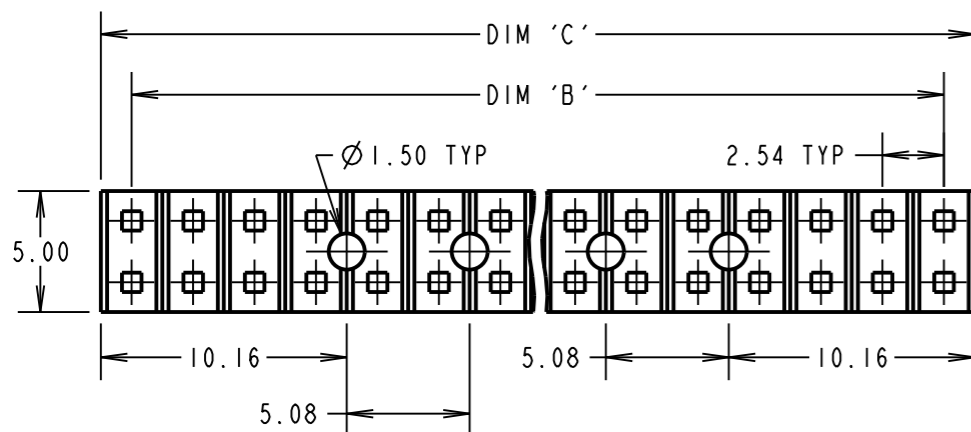


SPECIFICATIONS:

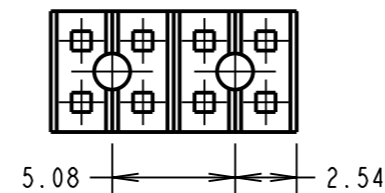
MATERIAL:
 MOULDING = PPS UL94V-0 BLACK
 CONTACTS = PHOSPHOR BRONZE
 FINISH:
 CONTACTS = 0.25µ GOLD OVER NICKEL
 ELECTRICAL:
 CURRENT RATING = 1A MAX
 CONTACT RESISTANCE = 30mΩ MAX
 INSULATION RESISTANCE = 5,000 MΩ MIN
 DIELECTRIC STRENGTH = 1000V AC FOR ONE MINUTE
 MECHANICAL:
 DURABILITY = 10 OPERATIONS
 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
 SPECIFICATION C039XX (LATEST ISSUE)

NOTES:

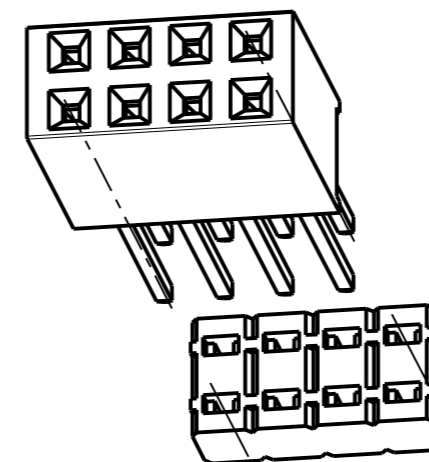
- ALL TOLERANCES ARE ±0.20 UNLESS OTHERWISE STATED.
- RECOMMENDED PCB PLATED-THROUGH HOLE SIZE:
 DRILLED HOLE = $\varnothing 1.15 \pm 0.02$ mm,
 PLATING THICKNESSES = 25-75µ COPPER, 3µ MIN NICKEL/GOLD,
 FINAL PLATED HOLE = $\varnothing 1.09$ -1.00mm.



HOLE DETAIL FOR 04 CONTACT PER ROW SPACER



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:

M22-615XX05

No. OF CONTACTS PER ROW:
 04, 20, 32

FINISH:
 05 = GOLD ALL OVER NICKEL

SB	9	09.10.13	12212
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.BENNETT	
CHECKED:		M.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:

mm²

TITLE:

PCI04 PRESS-FIT CONNECTOR & SPACER (STACKTHROUGH)

DRAWING NUMBER:

M20-615XX05

SHT
 2 OF 2