



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.: M80-412XXXX

SHT 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATIONS:**

**MATERIAL:**  
 MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK  
 CONTACT CLIP = BERYLLIUM COPPER  
 CONTACT SHELL = BRASS

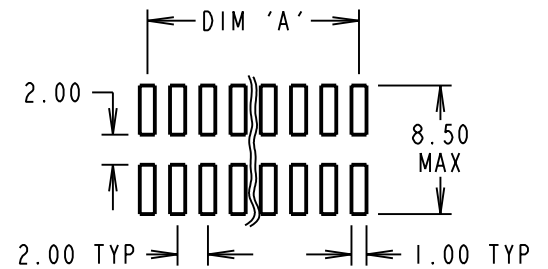
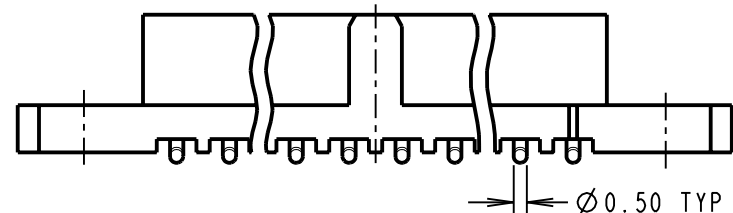
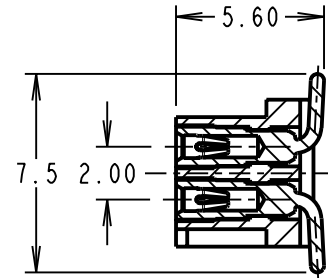
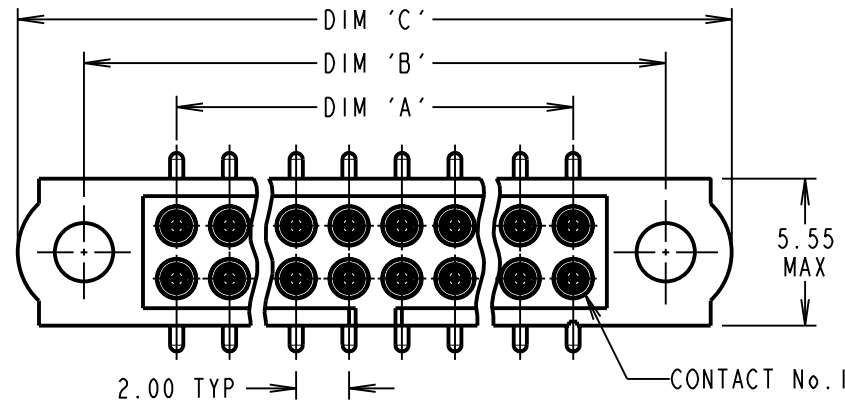
**FINISH:**  
 01 = 0.3µ GOLD CLIP, 3.5-5.0µ TIN/LEAD SHELL  
 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL  
 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN SHELL

**ELECTRICAL:**  
 CURRENT RATING AT 25°C = 3.0A MAX  
 CURRENT RATING AT 85°C = 2.2A MAX  
 WORKING VOLTAGE = 120V AC/DC  
 VOLTAGE PROOF = 360V AC/DC  
 CONTACT RESISTANCE = 25 mΩ MAX  
 INSULATION RESISTANCE = 100 MΩ MIN

**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS  
 INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX  
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN

**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**  
 TUBE  
 FOR COMPLETE SPECIFICATION, SEE  
 COMPONENT SPEC C005XX (LATEST ISSUE)



RECOMMENDED PCB LAYOUT

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10

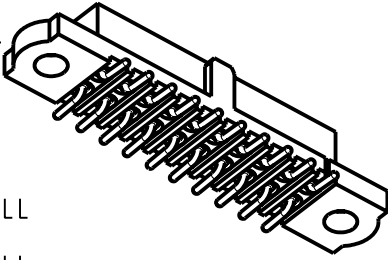
EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN SHELL, M80-4122042

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm

ORDER CODE:  
**M80-412XXXX**

TOTAL No. OF CONTACTS —  
 04 TO 50  
 (EVEN NUMBERS ONLY)

**FINISH** —  
 01 - GOLD CLIP, TIN/LEAD SHELL  
 05 - GOLD CLIP, GOLD SHELL  
 42 - GOLD CLIP, 100% TIN SHELL



CP	I	08.07.09	10377
NAME	ISS.	DATE	C/NOTE
APPROVED: C.PENROSE			
CHECKED: R.ADDE			
DRAWN: B.M.KENT			
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:** JACKSCREW DATAMATE  
 DIL VERTICAL SMT  
 FEMALE ASSY (NO J/SCREW)

**DRAWING NUMBER:**  
**M80-412XXXX**

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