

Customer Information Sheet

DRAWING No.: M20-876XXXX		SHEET 2 OF 2		IF IN DOUBT - ASK		C		NOT TO SCALE		THIRD ANGLE PROJECTION		ALL DIMENSIONS IN mm							
SPECIFICATION: MATERIAL: MOULDING = PA6T UL94V-0, BLACK CONTACT = BRASS FINISH (OVER NICKEL): 42 = SELECTIVE GOLD ON CONTACT AREA, 100% TIN ON TAILS 46 = 100% TIN ELECTRICAL: CURRENT RATING = 3A MAX CONTACT RESISTANCE = $20m\Omega$ MAX INSULATION RESISTANCE = $500M\Omega$ MIN DIELECTRIC STRENGTH = 1000V AC VOLTAGE RATING = 250V AC/DC MECHANICAL: DURABILITY = 50 OPERATIONS (TIN), 300 OPERATIONS (GOLD) ENVIRONMENTAL: TEMPERATURE RANGE = -40°C TO $+105^{\circ}\text{C}$ SOLDERING: REFLOW TEMP = 260°C FOR 10 SECONDS MAX MANUAL TEMP = 330°C FOR 3-5 SECONDS PACKING: BAG FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C001XX (LATEST ISSUE)																			
ORDER CODE: M20-876XXXX No. OF CONTACTS PER ROW: 02 TO 20, 25, 36 FINISH: 42 = SELECTIVE GOLD + 100% TIN 46 = 100% TIN																			
WJP 22 01.08.17 20398 NAME ISS. DATE C/NOTE APPROVED: W. J. PRESTON CHECKED: S. BENNETT DRAWN: P. D. COLLINS CUSTOMER REF.: ASSEMBLY DRG:																			
No. OF CONTACTS COPLANARITY TOLERANCE <table border="1"><tr><td>02 TO 12</td><td>0.10mm MAX</td></tr><tr><td>13 TO 20</td><td>0.15mm MAX</td></tr><tr><td>25, 36</td><td>0.20mm MAX</td></tr></table>														02 TO 12	0.10mm MAX	13 TO 20	0.15mm MAX	25, 36	0.20mm MAX
02 TO 12	0.10mm MAX																		
13 TO 20	0.15mm MAX																		
25, 36	0.20mm MAX																		

RECOMMENDED PCB LAYOUT

2.54 x (No. OF CONTACTS PER ROW - 1) ± 0.20

5.00

8.20 ± 0.10

2.54 ± 0.05 TYP

1.00 ± 0.05 TYP

2.54 ± 0.05

5.80 ± 0.20

2.54

7.20 ± 0.30

1.27 ± 0.20

0.64 SQUARE TYP

COPLANARITY:
SEE NOTE 2, TABLE

NOTES:

- SEE DRAWING M20-876XXXXP FOR PICK & PLACE IN TUBES, M20-876XXXXR FOR TAPE AND REELED.
- CO-PLANARITY: FLATNESS OF SMT TAILS WILL NOT EXCEED VALUES GIVEN IN TABLE.
- ALL TOLERANCES ARE ± 0.15 UNLESS OTHERWISE STATED.

TOLERANCES X.X = $\pm 1mm$ X.XX = $\pm 0.50mm$ X.XX = $\pm 0.10mm$ X.XXX = $\pm 0.01mm$ ANGLES = $\pm 5^{\circ}$ UNLESS STATED		MATERIAL: SEE ABOVE	TITLE: 2.54mm PITCH DIL SMT PIN HEADER ASSEMBLY
THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.		FINISH: SEE ABOVE	DRAWING NUMBER: M20-876XXXX
S/AREA: mm ²		SHT 2 OF 2	

HARWIN

www.harwin.com
technical@harwin.com