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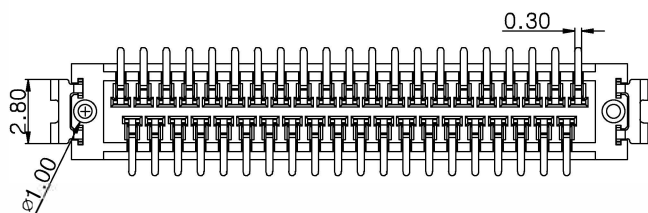
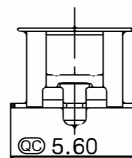
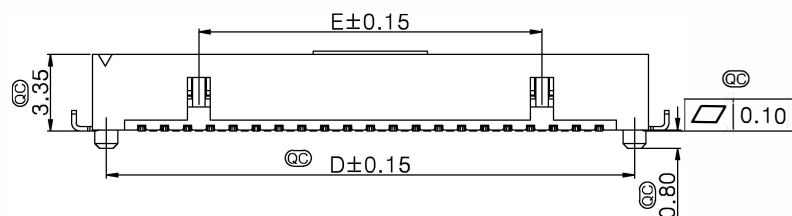
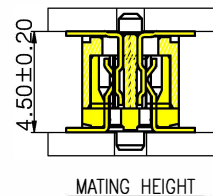
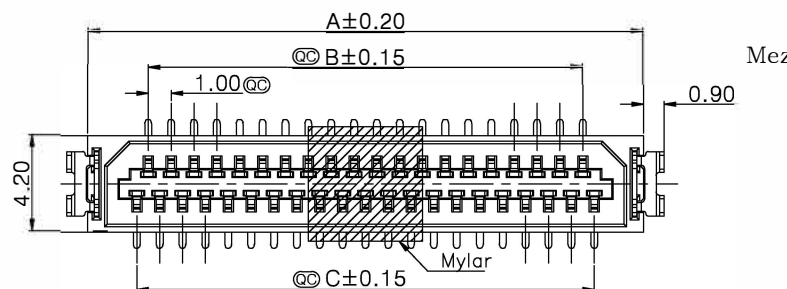
RoHS

### M40-6004146 alternative (male)

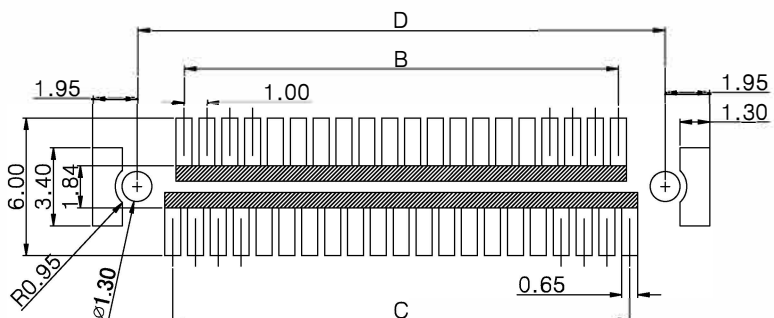
Mezzanine Connector, Header, 1 mm, 2 Rows, 41 Contacts



PIN	A	B	C	D	E
9 PIN	8.3	3	4	7.1	0
11 PIN	9.3	4	5	8.1	0
13 PIN	10.3	5	6	9.1	0
15 PIN	11.3	6	7	10.1	0
17 PIN	12.3	7	8	11.1	0
19 PIN	13.3	8	9	12.1	4
21 PIN	14.3	9	10	13.1	5
23 PIN	15.3	10	11	14.1	6
25 PIN	16.3	11	12	15.1	7
31 PIN	19.3	14	15	18.1	10
41 PIN	24.3	19	20	23.1	15
51 PIN	29.3	24	25	28.1	20



Note:  
 Electrical  
 Current Rating:0.5A  
 Voltage Rating:150V AC  
 Contact Resistance:50mΩ max(Initial),75mΩ max(After)  
 Dielectric Withstanding Voltage:250VAC  
 Insulation Resistance 500mega ohms min. at 100 VDC  
 Physical  
 Housing:thermoplastic, UL 94V-0 rated,inWhite Color  
 Contact: Copper alloy  
 Operating Temperature:-45°C to +125°C  
 Ⓞ Important Dimensions.



RECOMMENDED PCB LAYOUT(TOP VIEW)

Part Number:

42 6 1 0 0 NN X X X L

Series Number: 42 6 1 0 0  
 Pitch(mm): 6-1.0mm  
 Connector type: 1-Male  
 Product Height: P - H3.35mm  
 Number Contact: 09-9P .... 51-51P

Packaging Options:  
 2-Tape & Reel Packaging  
 Plastic color  
 1-Black  
 2-White

Contact Plated:  
 0-Tin over nickel,  
 1-Gold flash over nickel,  
 2-0.05um gold over nickel,  
 3-0.075um gold over nickel,  
 5-0.125um gold over nickel,  
 6-0.25um gold over nickel,  
 7-0.375um gold over nickel,  
 8-0.75um gold over nickel,  
 A-Gold flash over nickel,  
 B-0.01um gold over nickel.

more info: [sales@bec.co.uk](mailto:sales@bec.co.uk)

[www.bec.co.uk](http://www.bec.co.uk)

Units	mm	Scale	1:1	Drawing By	Date	M40-6004146 alternative (male)				
Tolerance Unless Otherwise Specified				Lin-Wu	2022/12/07	Mezzanine Connector, Header, 1 mm, 2 Rows, 41 Contacts				
.X ~ ±0.35				Revised By	Date	Sheet	1 of 1	Title	DF9 1.0 BTB PLUG	
.XX ~ ±0.25				GuoHui-Guo	2022/12/07	Third Angle Projection				
.XXX ~ ±0.15				Approval By	Date	Part No.		426100NNXXXL	REV	A
Angle ~ ± 1°				Jin-He	2022/12/07					