



P.C.B. LAYOUT

Contact	Dim A	Dim B	Contact	Dim A	Dim B	Contact	Dim A	Dim B
02	2.54	—	30	38.10	35.56	58	73.66	71.12
04	5.08	2.54	32	40.64	38.10	60	76.20	73.66
06	7.62	5.08	34	43.18	40.64	62	78.74	76.20
08	10.16	7.62	36	45.72	43.18	64	81.28	78.74
10	12.70	10.16	38	48.26	45.72	66	83.82	81.28
12	15.24	12.70	40	50.80	48.26	68	86.36	83.82
14	17.78	15.24	42	53.34	50.80	70	88.90	86.36
16	20.32	17.78	44	55.88	53.34	72	91.44	88.90
18	22.86	20.32	46	58.42	55.88	74	93.98	91.44
20	25.40	22.86	48	60.96	58.42	76	96.52	93.98
22	27.94	25.40	50	63.50	60.96	78	99.06	96.52
24	30.48	27.94	52	66.04	63.50	80	101.60	99.06
26	33.02	30.48	54	68.58	66.04			
28	35.56	33.02	56	71.12	68.58			

SIGN	DATE	DESCRIPTION	APPROVER
THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!			

Material:
 Pin (outer sleeve) : Brass, machined, CuZn38Pb2
 Clip/contact 4 finger) : Beryllium copper
 Plating(outer sleeve) : Tin plated : 2um/80u"nickel, 5um/200u" Tin
 Gold plated: 2um/80u"nickel, full gold
 2um/80 u"nickel, gold
 Plating clip(contact):
 Insulator body(black) : Glass filled thermoplastic polyester UL94V-0

Electrical
 Current rating : 3 Amps/contact max.
 Contact resistance : ≤4mΩ/contact
 Insulation resistance : ≥1000MΩ at 500VAC
 Rated voltage : 100 VRMS/150VDC

Mechanical
 Operating temperature : Gold plated:-55°C to +125°C
 (Continuous) -67°F to +105°F
 Tin plated:-40°C to +105°C
 Average insertion force with steel pin of: Φ0.43mm/0.017" < 250g
 Average withdrawal force with steel pin of Φ 0.43mm/0.017" >50g
 Mechanical life : min.200

Environmental data
 Solderability (IEC 60068-2-20. Ta) :235°C, 2 sec
 Resistance to soldering heat (IEC 60068-2-20. Tb) :
 Through hole mount components :260°C, 10sec

RoHS Compliant

PLATING
 G= Gold Flash/Gold Flash
 Z = Gold Flash/Tin 200u" (STD)
 non-STD may require MOQ

PART NUMBER:
DBU-XXOX

Number of positions
 02-80

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TITLE DBU Series- 2.54mm low profile machined pin female header							
PART NO. DBU-XXOX		DWG NO. DBU-XXOX.DWG					
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.	Tolerance		
		Aaron 2006.02.12	Aaron 2006.02.12		UNIT: mm	X.	±0.50
					SCALE: NONE	X.X	±0.30
					SHEET: 01/01	X.XX	±0.10
					REV: A	X*	±1*