Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

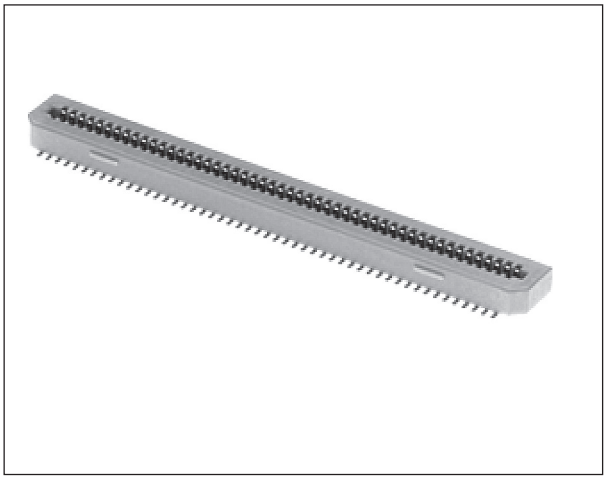
3M
P08-020SLC-A-G

For any questions, you can email us directly:
sales@integrated-circuit.com

Distributor of 3M: Excellent Integrated System Limited
Datasheet of P08-020SLC-A-G - CONN SOCKET 20POS .8MM VERT SMD
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

3M™ Pak 8 Socket Connector

0.8 mm, Vertical, Surfacemount, 3 mm to 8 mm Stack Height — P08 Series



- 0.8 mm pitch connector system
- Mated heights available from 3 mm to 8 mm
- Surface mount design
- Locking mechanism with audible click when fully mated
- Tape and reel with suction covers available for automated assembly placement
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: July 9, 2012

Physical

Insulation	
Material:	High Temp Thermo Plastic
Flammability:	UL 94V-0
Color:	Natural
Contact:	
Material:	Copper Alloy
Plating:	
Underplating:	50 µ" [1.25 µm] Nickel
Wiping Area:	8 µ" [0.20 µm] Gold
Solder Tails:	Gold Flash
Mating Compatibility:	P08 Series Plugs. TS-1096

Electrical

Current Rating:	0.5 A
Voltage Rating:	60 $V_{AC/DC}$
Insulation Resistance:	10^3 MΩ min. at 500 V_{DC}
Withstanding Voltage:	250 V_{AC} for 1 minute

Environmental

Temperature Rating:	-55˚C to +85˚C
Process Rating:	260˚C (profile per J-STD-020)
Moisture Sensitivity Level:	MSL 1 (per J-STD-020)

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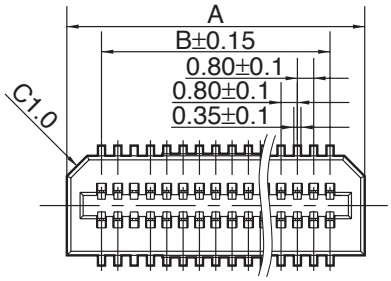
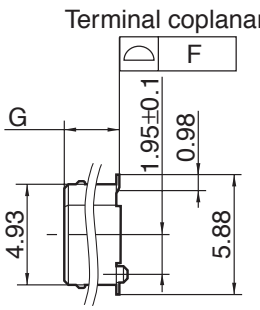
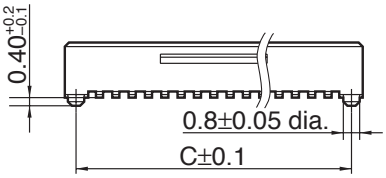


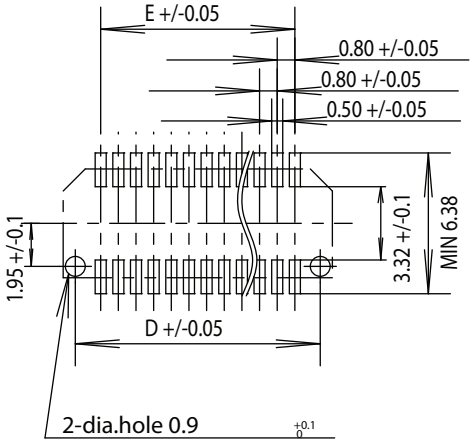




Dimensions

No of Con-tacts	A	B	C	D	E	F
16	9.0	5.6	7.9	7.9	5.6	0.1
20	10.6	7.2	9.5	9.5	7.2	0.1
24	11.4	8.8	11.1	11.1	8.8	0.1
26	13.0	9.6	11.9	11.9	9.6	0.1
30	14.6	11.2	13.5	13.5	11.2	0.1
40	18.6	15.2	17.5	17.5	15.2	0.1
50	23.4	19.2	21.5	21.5	19.2	0.15
60	27.4	23.2	25.5	25.5	23.2	0.15
80	35.4	31.2	33.5	33.5	31.2	0.15
100	43.4	39.2	41.5	41.5	39.2	0.15

Recommended PC board pattern
(TOP VIEW)



Stacking Matrix

		Stack Height When Mated To:		
Skt Type	Dim G	A Plug	B Plug	C Plug
A	2.2	3	4	5
B	5.2	6	7	8

Not Available:
16 Contact: B Socket & C Plug (5, 6, 7 and 8 mm)
24 Contact: B Plug (4 and 7 mm)

mm
(inch)

Tolerance Unless Noted			
	.0	.00	.000
mm	±.3	±.3	

( ) Dimensions used for Reference Only

Ordering Information

P08 - XXX - SLXX - X - G (RIA E1 & C1 apply)

Contact Quantity
See Table

Packaging:
T = Tape & Reel (opt)
Blank = Tube Pack

Vacuum Pickup:
C = Adhesive Suction Cover
M = Molded suction cover (preferred for RoHS processes
Blank = None
(M options require Tape and Reel Packaging)

Height Options:
A = 2.2 mm Height
B = 5.2 mm Height (Excludes 16 Contact)

TS-1150-F
Sheet 2 of 2

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3M Electronics Solutions Division
6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3Mconnectors.com

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