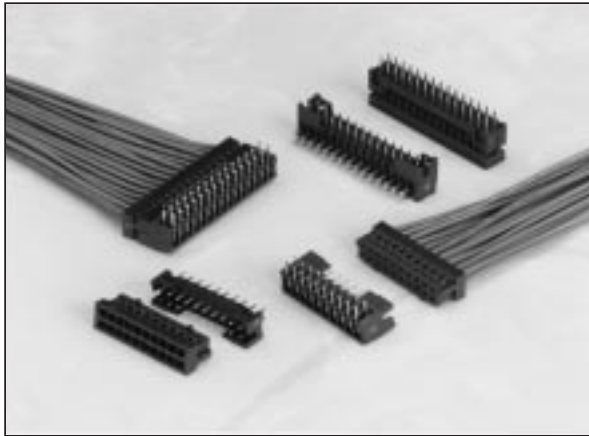


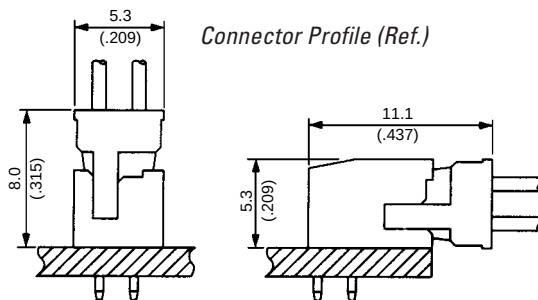
LY SERIES CONNECTORS

2.0mm (.079") Contact Spacing, PCB-to-Cable (Crimp Type) Connectors



FEATURES

- Snap latch housing resists shock and vibration
- UL94V-0 rated insulator material
- Dual wipe stamped snap-in socket contacts
- Pin headers are available in straight and right angle PCB mounting configurations
- Both gold and tin plated contacts are available
- Polarized housing prevents mismatching



ORDERING INFORMATION (PIN HEADER)

	LY20	**	P	-	D	**	1	P	*
Series	LY20	**	P	-	D	**	1	P	*
No. of Contacts	4 to 44								
Contact Type	P – Pin								
Contact Arrangement	D – Double Row								
Termination Style	T – Straight Through Hole								
	LT – Right Angle Through Hole								
Terminal Length	P – Post (Stamped Contacts)								
Finish Code	1 – Connecting Area: Gold, 0.1µm (.000004") min. over Nickel								
	Termination Area: Solder (SnPb) Plating								
	5 – Tin Plating								

.....

LY Series connectors are low profile PCB-to-cable connectors used for PC peripherals. The LY Series connectors have a snap latch mechanism with a box-type housing. A polarizing feature prevents mismatching.

GENERAL SPECIFICATIONS

Number of Contacts	4 to 44 (Even numbers only)
Contact Spacing	2.0mm (.079") Grid
Current Rating	3 Amps
Operating Voltage	250 VAC r.m.s.
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute after test)
Insulation Resistance	100 megohms min. (after test)
Contact Resistance	20 milliohms max. (after test)
Operating Temperature	-40°C to +85°C
Applicable PCB Thickness	1.6mm (.063")
Applicable Wire Size	#22 to #30 AWG (stranded)

MATERIALS AND FINISHES

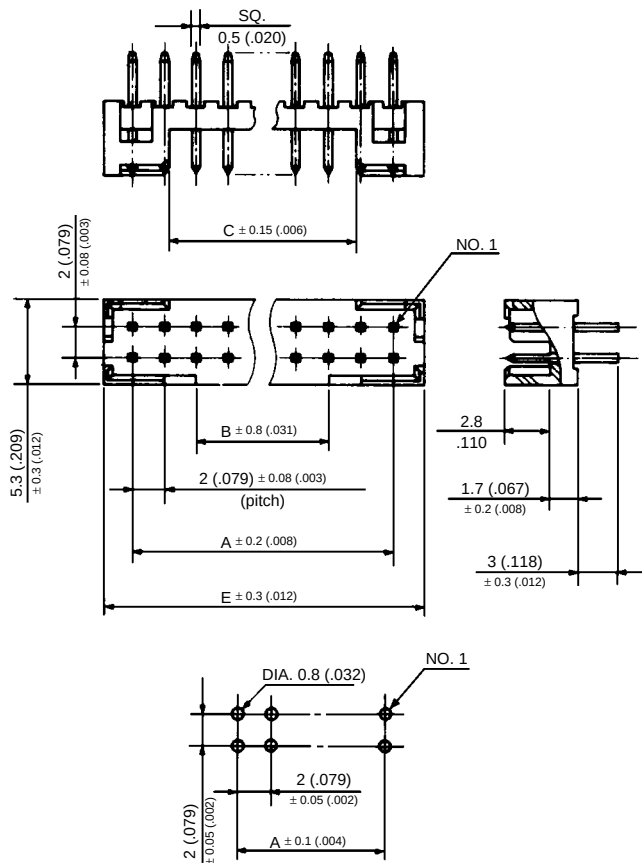
Description	Materials/Finishes
Insulators	Glass-filled 6-6 Nylon (UL94V-0, Brown)
Contacts	Phosphor Bronze Code 1. Connecting Area: Gold, 0.1µm min. (.000004") over Nickel Terminal Area: Solder (SnPb) Plating 5. Tin Plating

Dimensions and specifications subject to change without notice.

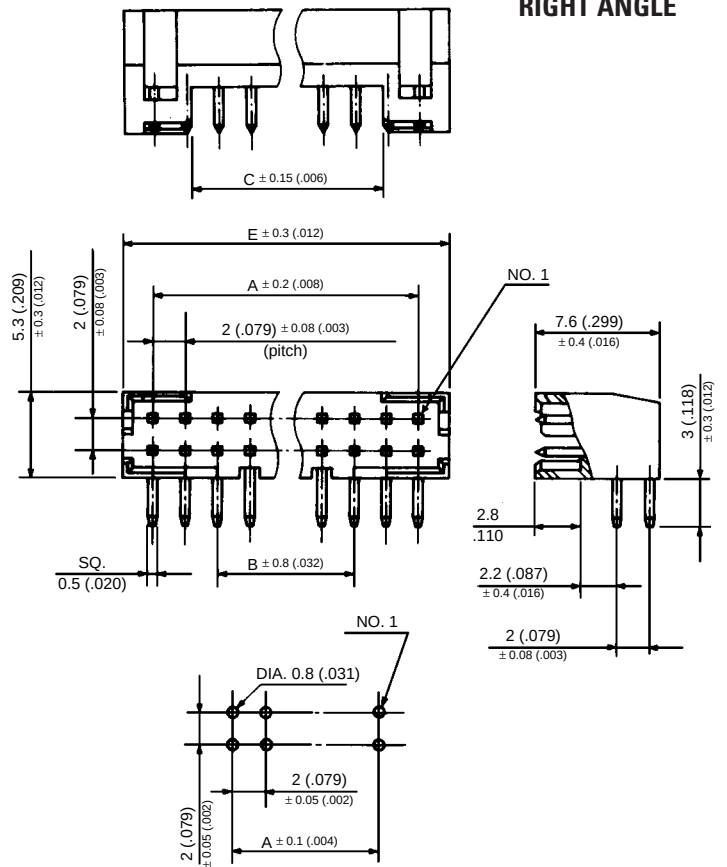
LY SERIES CONNECTORS

2.0mm (.079") Contact Spacing, PCB-to-Cable (Crimp Type) Connectors

STRAIGHT



PIN HEADER LY20



RIGHT ANGLE

No. of Contacts	Part Number		A	B	C	E
	Straight Pin Header	Right-Angle Pin Header				
4	LY20 -4P-DT1-P*	LY20 -4P-DLT1-P*	2 (.079)	—	—	5.6 (.220)
6	LY20 -6P-DT1-P*	LY20 -6P-DLT1-P*	4 (.157)	—	—	7.6 (.299)
8	LY20 -8P-DT1-P*	LY20 -8P-DLT1-P*	6 (.236)	—	1.4 (.055)	9.6 (.378)
10	LY20-10P-DT1-P*	LY20-10P-DLT1-P*	8 (.315)	—	3.4 (.134)	11.6 (.457)
12	LY20-12P-DT1-P*	LY20-12P-DLT1-P*	10 (.394)	2 (.079)	5.4 (.212)	13.6 (.535)
14	LY20-14P-DT1-P*	LY20-14P-DLT1-P*	12 (.472)	4 (.157)	7.4 (.291)	15.6 (.614)
16	LY20-16P-DT1-P*	LY20-16P-DLT1-P*	14 (.551)	6 (.236)	9.4 (.370)	17.6 (.693)
18	LY20-18P-DT1-P*	LY20-18P-DLT1-P*	16 (.630)	8 (.315)	11.4 (.449)	19.6 (.772)
20	LY20-20P-DT1-P*	LY20-20P-DLT1-P*	18 (.709)	10 (.394)	13.4 (.528)	21.6 (.850)
22	LY20-22P-DT1-P*	LY20-22P-DLT1-P*	20 (.787)	12 (.472)	15.4 (.606)	23.6 (.929)
24	LY20-24P-DT1-P*	LY20-24P-DLT1-P*	22 (.866)	14 (.551)	17.4 (.685)	25.6 (1.008)
26	LY20-26P-DT1-P*	LY20-26P-DLT1-P*	24 (.945)	16 (.630)	19.4 (.764)	27.6 (1.087)
28	LY20-28P-DT1-P*	LY20-28P-DLT1-P*	26 (1.024)	18 (.709)	21.4 (.842)	29.6 (1.165)
30	LY20-30P-DT1-P*	LY20-30P-DLT1-P*	28 (1.102)	20 (.787)	23.4 (.921)	31.6 (1.244)
32	LY20-32P-DT1-P*	LY20-32P-DLT1-P*	30 (1.181)	22 (.866)	25.4 (1.000)	33.6 (1.323)
34	LY20-34P-DT1-P*	LY20-34P-DLT1-P*	32 (1.260)	24 (.945)	27.4 (1.079)	35.6 (1.402)
36	LY20-36P-DT1-P*	LY20-36P-DLT1-P*	34 (1.338)	26 (1.024)	29.4 (1.157)	37.6 (1.480)
38	LY20-38P-DT1-P*	LY20-38P-DLT1-P*	36 (1.417)	28 (1.102)	31.4 (1.236)	39.6 (1.559)
40	LY20-40P-DT1-P*	LY20-40P-DLT1-P*	38 (1.496)	30 (1.181)	33.4 (1.315)	41.6 (1.638)
42	LY20-42P-DT1-P*	LY20-42P-DLT1-P*	40 (1.575)	32 (1.260)	35.4 (1.394)	43.6 (1.716)
44	LY20-44P-DT1-P*	LY20-44P-DLT1-P*	42 (1.654)	34 (1.338)	37.4 (1.472)	45.6 (1.795)

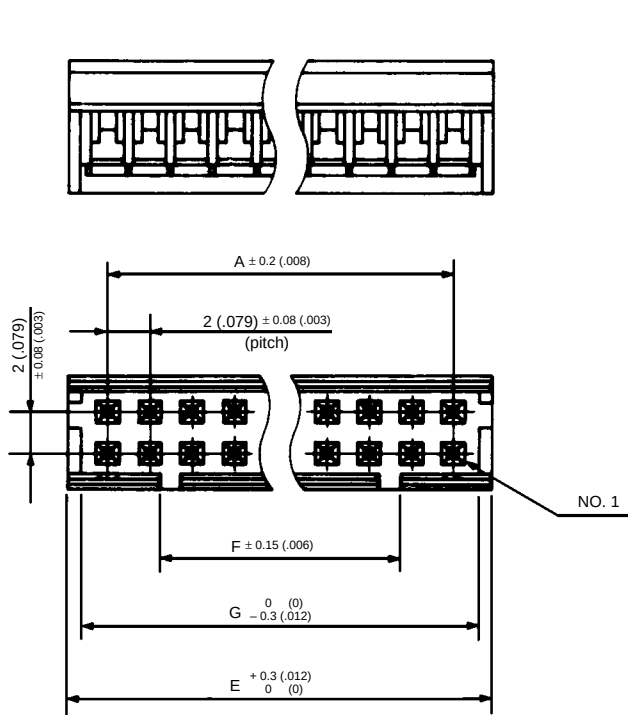
Note: * Add finish code 1 or 5 (See Materials and Finishes).

Dimensions in mm (inches).

LY SERIES CONNECTORS

2.0mm (.079") Contact Spacing, PCB-to-Cable (Crimp Type) Connectors

SOCKET HOUSING LY10



ORDERING INFORMATION (SOCKET HOUSING)

Series **LY10** – D C **
 Contact Arrangement D – Double Row
 Socket Housing with Crimp Type Contacts
 No. of Contacts 4 to 44

Crimp Tools

Applicable Wire	Hand Tool	Semi-Auto Machine
#22 to #26	CT150-4-LY1	Model CT350-2
#26 to #30	CT150-4-LY2	

Socket Contacts (Crimp Type)

Part Number	Applicable Wire (Stranded)	
	AWG No.	Wire insulation outer diameter
LY10-C1-*-10000	#22 to #26	ø0.8 to ø1.3mm
LY10-C2-*-10000	#26 to #30	ø0.7 to ø1.2mm

Note 1: * Add finish code 1 or 5 (See Materials and Finishes).

Note 2: Socket contacts are supplied on 10,000 unit reels.

No. of Contacts	Socket Housing	A	E	F	G
4	LY10-DC 4	2 (.079)	5.6 (.220)	—	4.5 (.177)
6	LY10-DC 6	4 (.157)	7.6 (.299)	—	6.5 (.256)
8	LY10-DC 8	6 (.236)	9.6 (.378)	1 (.039)	8.5 (.335)
10	LY10-DC 10	8 (.315)	11.6 (.457)	3 (.118)	10.5 (.413)
12	LY10-DC 12	10 (.394)	13.6 (.535)	5 (.197)	12.5 (.492)
14	LY10-DC 14	12 (.472)	15.6 (.614)	7 (.276)	14.5 (.571)
16	LY10-DC 16	14 (.551)	17.6 (.693)	9 (.354)	16.5 (.650)
18	LY10-DC 18	16 (.630)	19.6 (.772)	11 (.433)	18.5 (.728)
20	LY10-DC 20	18 (.709)	21.6 (.850)	13 (.512)	20.5 (.807)
22	LY10-DC 22	20 (.787)	23.6 (.929)	15 (.590)	22.5 (.886)
24	LY10-DC 24	22 (.866)	25.6 (1.008)	17 (.669)	24.5 (.964)
26	LY10-DC 26	24 (.945)	27.6 (1.087)	19 (.748)	26.5 (1.043)
28	LY10-DC 28	26 (1.024)	29.6 (1.165)	21 (.827)	28.5 (1.122)
30	LY10-DC 30	28 (1.102)	31.6 (1.244)	23 (.906)	30.5 (1.201)
32	LY10-DC 32	30 (1.181)	33.6 (1.323)	25 (.984)	32.5 (1.280)
34	LY10-DC 34	32 (1.260)	35.6 (1.402)	27 (1.063)	34.5 (1.358)
36	LY10-DC 36	34 (1.338)	37.6 (1.480)	29 (1.142)	36.5 (1.437)
38	LY10-DC 38	36 (1.417)	39.6 (1.559)	31 (1.220)	38.5 (1.516)
40	LY10-DC 40	38 (1.496)	41.6 (1.638)	33 (1.299)	40.5 (1.594)
42	LY10-DC 42	40 (1.575)	43.6 (1.716)	35 (1.378)	42.5 (1.673)
44	LY10-DC 44	42 (1.654)	45.6 (1.795)	37 (1.457)	44.5 (1.752)

Dimensions in mm (inches).

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[JAE Electronics:](#)

[CT150-4-LY1](#) [CT150-4-LY2](#)