



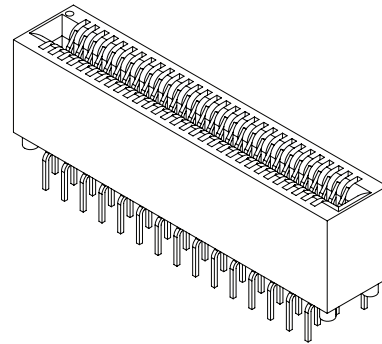
High Density Card Edge

SULLINS

.050" [1.27 mm] Contact Centers, .488" [12.40 mm] Insulator Height, Ultra Thin, Dip Solder/Card Extender/SMT

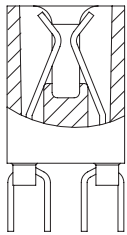
SPECIFICATIONS

- Accommodates $.062" \pm .008"$ [1.57 mm \pm 0.20 mm] PC board
- PPS or PA9T insulator
- Contact Material: Phosphor Bronze, Beryllium Copper or Spinodal
- Molded-in key available
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0
- Operating Temperature: -65°C up to +200°C



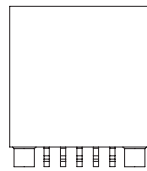
High Density Card Edge

READOUT

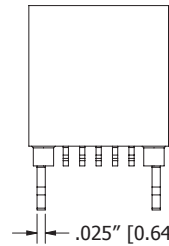


DUAL (D)

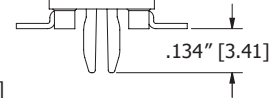
MOUNTING STYLE



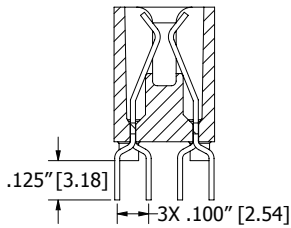
NO MOUNTING EARS (N)



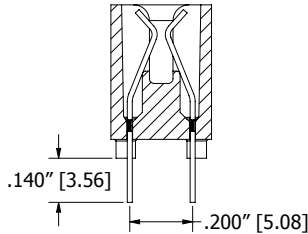
METAL BOARD LOCK (with no mounting ears) (R)



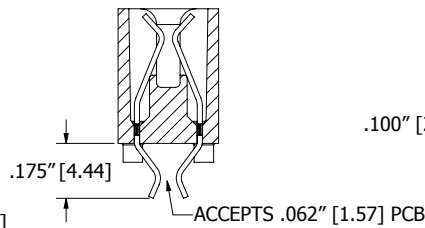
TERMINATION TYPE



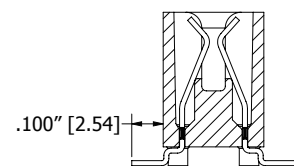
DIP SOLDER (YH)



DIP SOLDER (YS)

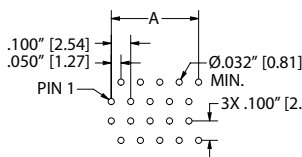


CARD EXTENDER (YR)

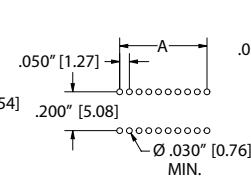


SURFACE MOUNT (YF)

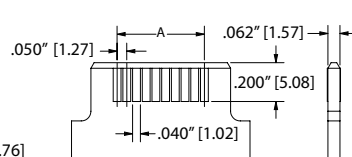
PCB LAYOUT



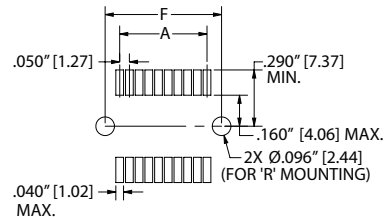
PCB LAYOUT (YH)



PCB LAYOUT (YS)



PCB LAYOUT (YR)



PCB LAYOUT (YF)



PART NUMBER OPTIONS

G C B 20 D YH N - S1355

MATERIALS (INSULATOR/CONTACT)
 R = PPS/Phosphor Bronze
 G = PA9T/Phosphor Bronze
 A = PPS/Beryllium Copper
 J = PA9T/Beryllium Copper
 F = PPS/Spinodal**
 Refer to Page 7 for Operating/Processing Temperatures

CONTACT FINISH - RoHS Compliant
 All platings are Lead Free and have .000050" Nickel underplate

Contact Surface	Termination
B = .000010" Gold	.000100" Pure Tin, Matte
C = .000030" Gold	.000100" Pure Tin, Matte
M = .000030" Gold	.000010" Gold Overall

CONTACT CENTERS
 B = .050" [1.27 mm]

NUMBER OF CONTACT POSITIONS
 See Chart Below

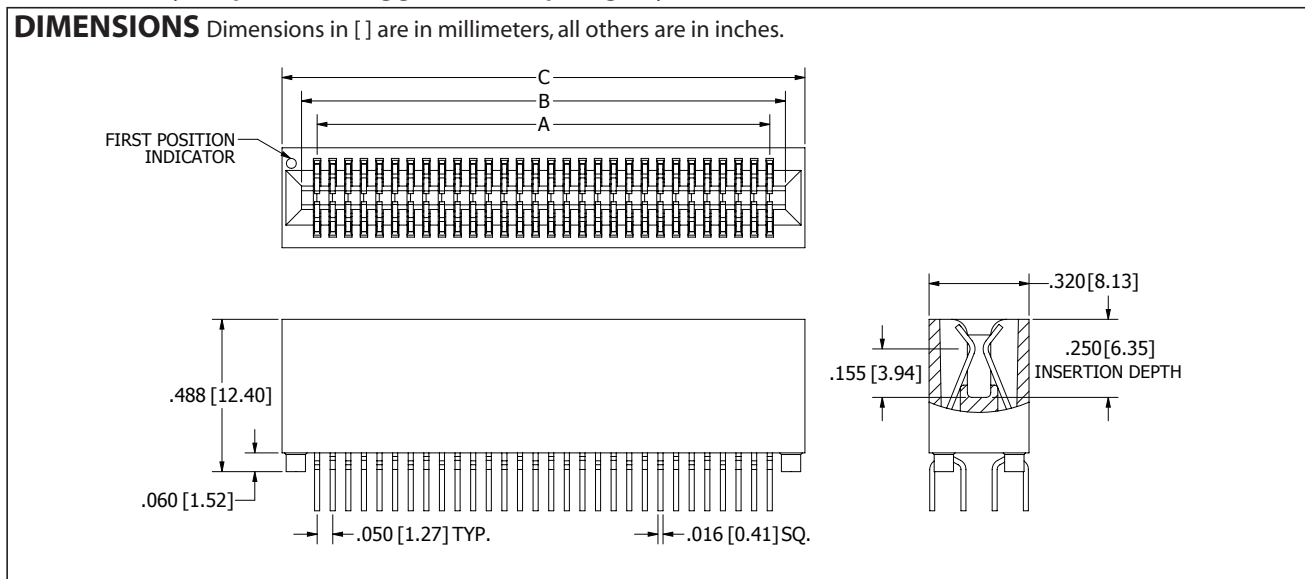
MODIFICATION CODE (Consult Factory)
 S1355 = for YH Termination Only
 S1675 = for YS, YR & YF Terminations

MOUNTING STYLE
 N = No Mounting
 R = Metal Board Locks (for YF Termination Only)

TERMINATION TYPE (See Opposite Page)
 YH = Dip Solder, Alternate Bent In & Out
 YS = Dip Solder
 YR = Card Extender
 YF = Surface Mount

READOUT
 D = Dual

**Consult factory for special soldering guidelines. 'M' plating only.



POSITIONS/ CONTACTS	INCHES				MILLIMETERS			
	A±.005	B±.005	C±.015	F±.010	A±0.13	B±0.13	C±0.38	F±0.25
5/10	0.200	0.300	0.425	0.350	5.08	7.62	10.80	8.89
6/12*	0.250	0.350	0.475	0.400	6.35	8.89	12.07	10.16
10/20*	0.450	0.550	0.675	0.600	11.43	13.97	17.15	15.24
15/30	0.700	0.800	0.925	0.850	17.78	20.32	23.50	21.59
20/40	0.950	1.050	1.175	1.100	24.13	26.67	29.85	27.94
25/50*	1.200	1.300	1.425	1.350	30.48	33.02	36.20	34.29
30/60	1.450	1.550	1.675	1.600	36.83	39.37	42.55	40.64
40/80	1.950	2.050	2.175	2.100	49.53	52.07	55.25	53.34
50/100	2.450	2.550	2.675	2.600	62.23	64.77	67.95	66.04
79/158	3.900	4.000	4.125	4.050	99.06	101.60	104.78	102.87

* Consult factory for availability.

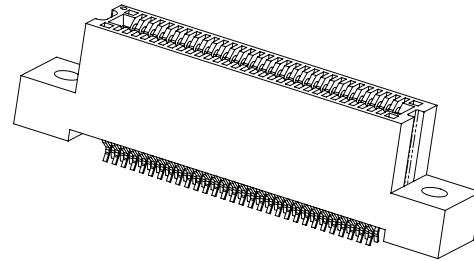


.050" [1.27 mm] Contact Centers, .610" [15.49 mm] Insulator Height,

Dip Solder/Card Extender/SMT for .031" [0.79 mm], .062" [1.57 mm] or .093" [2.36 mm] Mating PCB

SPECIFICATIONS

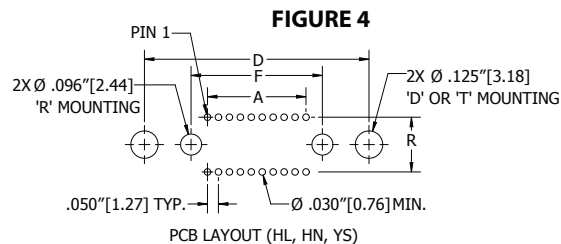
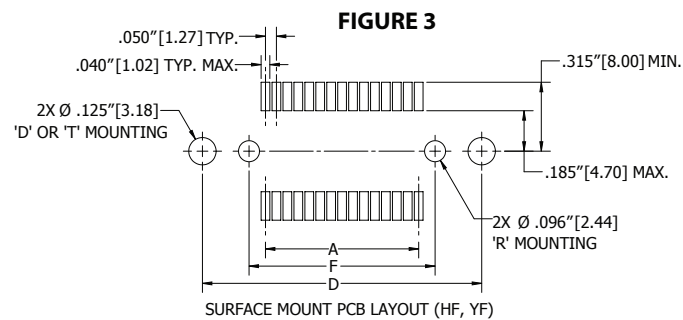
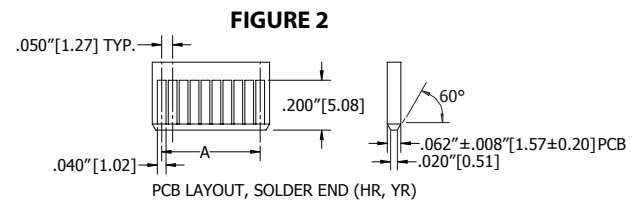
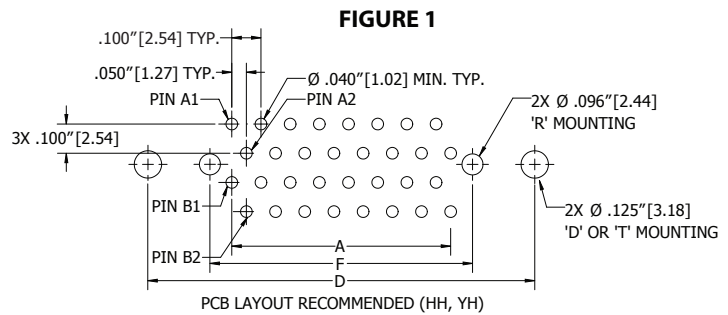
- Accommodates .031" ± .006" [0.79 mm ± 0.15 mm], .062" ± .008" [1.57 mm ± 0.20 mm] or .093" ± .008" [2.36 mm ± 0.20 mm] mating PCB
- PPS or PA9T insulator
- Molded-in key available
- High reliability/high cycle hairpin bellow & cantilever contacts
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0
- Operating Temperature: -65°C up to +200°C



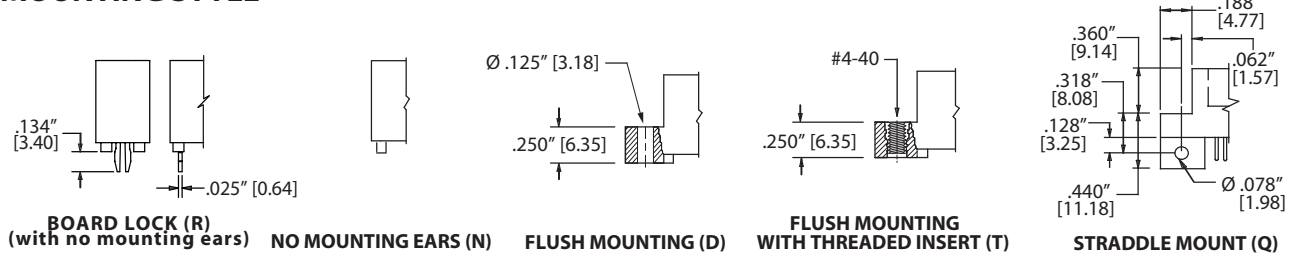
High Density Card Edge

TERMINATION TYPE

HAIR PIN POST .018" [0.46] X .012" [0.30]	(P/N CODE) TERMINATION LAYOUT	ROW SPACING (‘R’ DIM)	TAIL LENGTH (‘L’ DIM)
	(HH) THRU HOLE STRAIGHT figure 1	3 X 0.100" [2.54]	0.125" [3.18]
	(HR) CARD EXTENDER figure 2	ACCEPTS .062" [1.57] PCB	0.160" [4.06]
	(HF) SURFACE MOUNT figure 3	N/A	0.100" [2.54]
	(HL) THRU HOLE STRAIGHT figure 4	0.250" [6.35]	0.160" [4.06]
	(HN) THRU HOLE STRAIGHT figure 4	0.100" [2.54]	0.125" [3.18]
CANTILEVER POST SIZE .016" [0.41] SQ.	(P/N CODE) TERMINATION LAYOUT	ROW SPACING (‘R’ DIM)	TAIL LENGTH (‘L’ DIM)
	(YH) THRU HOLE STRAIGHT figure 1	3 X 0.100" [2.54]	0.125" [3.18]
	(YR) CARD EXTENDER figure 2	ACCEPTS .062" [1.57] PCB	0.175" [4.45]
	(YF) SURFACE MOUNT figure 3	N/A	0.100" [2.54]
	(YS) THRU HOLE STRAIGHT figure 4	0.200" [5.08]	0.140" [3.56]



MOUNTING STYLE





.050" [1.27 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Card Extender/SMT for .031"[0.79mm], .062"[1.57mm] or .093"[2.36mm] Mating PCB

PART NUMBER OPTIONS

MATERIALS (INSULATOR/CONTACT)

- G = PA9T/Phosphor Bronze
- R = PPS/Phosphor Bronze
- J = PA9T/Beryllium Copper
- A = PPS/Beryllium Copper
- F = PPS/Spinodal**

Refer to Page 7 for Operating/Processing Temperatures

CONTACT FINISH - RoHS Compliant

All platings are Lead Free and have .000050" Nickel underplate

Contact Surface

- B = .000010" Gold
- C = .000030" Gold
- ***M = .000030" Gold

Termination

- .000100" Pure Tin, Matte
- .000100" Pure Tin, Matte
- .000010" Gold Overall

***(YH, YR, YF & YS Termination only)

CONTACT CENTERS

- B = .050" [1.27 mm]

NUMBER OF CONTACT POSITIONS

See Chart Below

G B B 40 D HH D - Sxxx

MODIFICATION CODE (Consult Factory)

OMIT FOR STANDARD

-S1648 = .031"±.006" [0.79 ± 0.15] Mating PCB

-S1763 = .093"±.008" [2.36 ± 0.20] Mating PCB

(for HH, HR, HF, HN & HL Termination Only)

MOUNTING STYLE (Opposite Page)

- D = Flush Mounting
- N = No Mounting
- T = Flush Mounting With Threaded Insert
- Q = Straddle Mount (Card Extender Only)*
- R = Metal Board Locks

TERMINATION TYPE (Opposite Page)

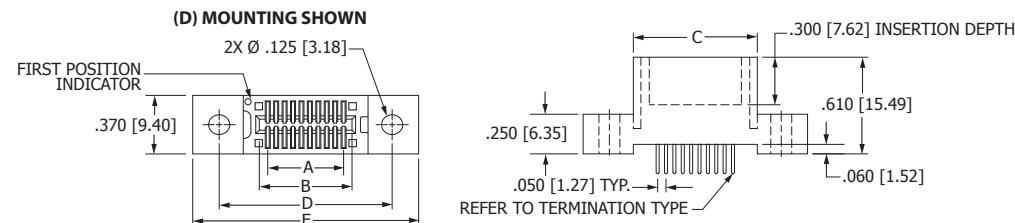
- HH, YH = Staggered Dip Solder
- HR, YR = Card Extender
- HF, YF = Surface Mount
- HL = Dip Solder
- HN = Dip Solder
- YS = Dip Solder

READOUT (Opposite Page)

- D = Dual

**Consult factory for special soldering guidelines. YH, YR, YF & YS termination with 'M' plating only.

DIMENSIONS Dimensions in [] are in millimeters, all others are in inches.



POSITIONS/ CONTACTS	INCHES						MILLIMETERS					
	A±.005	B±.005	C±.015	D±.010	E±.020	F±.010	A±0.13	B±0.13	C±0.38	D±0.25	E±0.51	F±0.25
05/10	0.200	0.300	0.490	0.776	1.090	0.350	5.08	7.62	12.45	19.71	27.69	8.89
06/12	0.250	0.350	0.540	0.826	1.140	0.400	6.35	8.89	13.72	20.98	28.96	10.16
08/16	0.350	0.450	0.640	0.926	1.240	0.500	8.89	11.43	16.26	23.52	31.50	12.70
09/18	0.400	0.500	0.690	0.976	1.290	0.550	10.16	12.70	17.53	24.79	32.77	13.97
10/20	0.450	0.550	0.740	1.026	1.340	0.600	11.43	13.97	18.80	26.06	34.04	15.24
13/26	0.600	0.700	0.890	1.176	1.490	0.750	15.24	17.78	22.61	29.87	37.85	19.05
14/28	0.650	0.750	0.940	1.226	1.540	0.800	16.51	19.05	23.88	31.14	39.12	20.32
15/30	0.700	0.800	0.990	1.276	1.590	0.850	17.78	20.32	25.15	32.41	40.39	21.59
16/32	0.750	0.850	1.040	1.326	1.640	0.900	19.05	21.59	26.42	33.68	41.66	22.86
20/40	0.950	1.050	1.240	1.526	1.840	1.100	24.13	26.67	31.50	38.76	46.74	27.94
22/44	1.050	1.150	1.340	1.626	1.940	1.200	26.67	29.21	34.04	41.30	49.28	30.48
24/48	1.150	1.250	1.440	1.726	2.040	1.300	29.21	31.75	36.58	43.84	51.82	33.02
25/50	1.200	1.300	1.490	1.776	2.090	1.350	30.48	33.02	37.85	45.11	53.09	34.29
28/56	1.350	1.450	1.640	1.926	2.240	1.500	34.29	36.83	41.66	48.92	56.90	38.10
30/60	1.450	1.550	1.740	2.026	2.340	1.600	36.83	39.37	44.20	51.46	59.44	40.64
34/68	1.650	1.750	1.940	2.226	2.540	1.800	41.91	44.45	49.28	56.54	64.52	45.72
35/70	1.700	1.800	1.990	2.276	2.590	1.850	43.18	45.72	50.55	57.81	65.79	46.99
40/80	1.950	2.050	2.240	2.526	2.840	2.100	49.53	52.07	56.90	64.16	72.14	53.34
41/82*	2.000	2.100	2.290	2.576	2.890	2.150	50.80	53.34	58.17	65.43	73.41	54.61
44/88	2.150	2.250	2.440	2.726	3.040	2.300	54.61	57.15	61.98	69.24	77.22	58.42
45/90	2.200	2.300	2.490	2.776	3.090	2.350	55.88	58.42	63.25	70.51	78.49	59.69
50/100	2.450	2.550	2.740	3.026	3.340	2.600	62.23	64.77	69.60	76.86	84.84	66.04
55/110	2.700	2.800	2.990	3.276	3.590	2.850	68.58	71.12	75.95	83.21	91.19	72.39
60/120	2.950	3.050	3.240	3.526	3.840	3.100	74.93	77.47	82.30	89.56	97.54	78.74
62/124	3.050	3.150	3.340	3.626	3.940	3.200	77.47	80.01	84.84	92.10	100.08	81.28
64/128	3.150	3.250	3.440	3.726	4.040	3.300	80.01	82.55	87.38	94.64	102.62	83.82
65/130	3.200	3.300	3.490	3.776	4.090	3.350	81.28	83.82	88.65	95.91	103.89	85.09
66/132	3.250	3.350	3.540	3.826	4.140	3.400	82.55	85.09	89.92	97.18	105.16	86.36
70/140	3.450	3.550	3.740	4.026	4.340	3.600	87.63	90.17	95.00	102.26	110.24	91.44
75/150	3.700	3.800	3.990	4.276	4.590	3.850	93.98	96.52	101.35	108.61	116.59	97.79
80/160	3.950	4.050	4.240	4.526	4.840	4.100	100.33	102.87	107.70	114.96	122.94	104.14
81/162	4.000	4.100	4.290	4.576	4.890	4.150	101.60	104.14	108.97	116.23	124.21	105.41
85/170*	4.200	4.300	4.490	4.776	5.090	4.350	106.68	109.22	114.05	121.31	129.29	110.49
90/180	4.450	4.550	4.740	5.026	5.340	4.600	113.03	115.57	120.40	127.66	135.64	116.84
92/184*	4.550	4.650	4.840	5.126	5.440	4.700	115.57	118.11	122.94	130.20	138.18	119.38
95/190	4.700	4.800	4.990	5.276	5.590	4.850	119.38	121.92	126.75	134.01	141.99	123.19
96/192*	4.750	4.850	5.040	5.326	5.640	4.900	120.65	123.19	128.02	135.28	143.26	124.46
100/200	4.950	5.050	5.240	5.526	5.840	5.100	125.73	128.27	133.10	140.36	148.34	129.54
105/210	5.200	5.300	5.490	5.776	6.090	5.350	132.08	134.62	139.45	146.71	154.69	135.89
106/212	5.250	5.350	5.540	5.826	6.140	5.400	133.35	135.89	140.72	147.98	155.96	137.16
108/216*	5.350	5.450	5.640	5.926	6.240	5.500	135.89	138.43	143.26	150.52	158.50	139.70
110/220	5.450	5.550	5.740	6.026	6.340	5.600	138.43	140.97	145.80	153.06	161.04	142.24
120/240	5.950	6.050	6.240			6.100	151.13	153.67	158.50			154.94

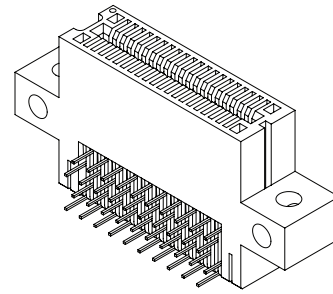
* Consult factory for availability.



.050" [1.27 mm] Contact Centers, .915" [23.24 mm] Insulator Height, Right Angle for .031" [0.79 mm], .062" [1.57 mm] or .093" [2.36 mm] Mating PCB

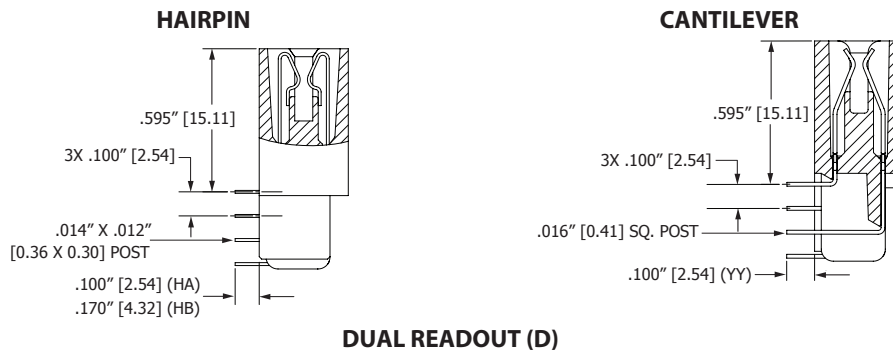
SPECIFICATIONS

- Accommodates .031" ± .006" [0.79 mm ± 0.15 mm], .062" ± .008" [1.57 mm ± 0.20 mm] or .093" ± .008" [2.36 mm ± 0.20 mm] mating PCB
- PPS or PA9T insulator
- Molded-in key available
- High reliability/high cycle hairpin bellow & cantilever contacts
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0
- Operating Temperature: -65°C up to +200°C

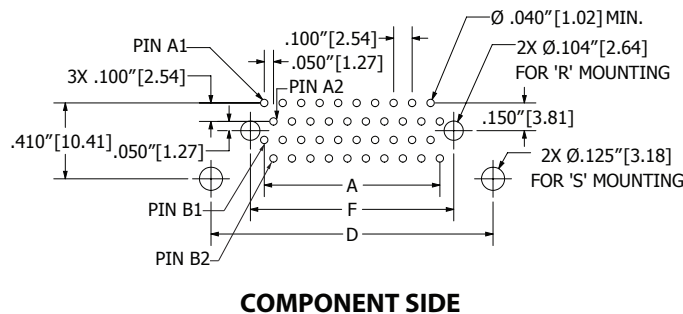


High Density Card Edge

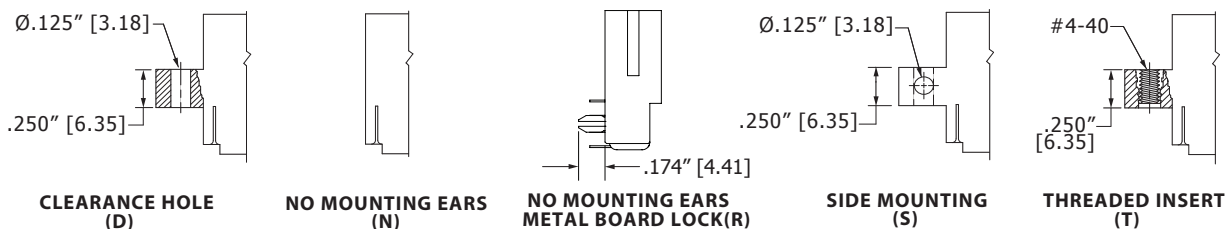
READOUT & TERMINATION TYPE



PCB LAYOUT



MOUNTING STYLE





.050" [1.27 mm] Contact Centers, .915" [23.24 mm] Insulator Height, Right Angle for .031" [0.79 mm], .062" [1.57 mm] or .093" [2.36 mm] Mating PCB

High Density Card Edge

PART NUMBER OPTIONS

MATERIALS (INSULATOR/CONTACT)

- G = PA9T/Phosphor Bronze
- R = PPS/Phosphor Bronze
- J = PA9T/Beryllium Copper
- A = PPS/Beryllium Copper
- F = PPS/Spinodal**

Refer to Page 7 for Operating/Processing Temperatures

CONTACT FINISH - RoHS Compliant

All platings are Lead Free and have .000050" Nickel underplate

- | Contact Surface | Termination |
|----------------------|--------------------------|
| B = .000010" Gold | .000100" Pure Tin, Matte |
| C = .000030" Gold | .000100" Pure Tin, Matte |
| ***M = .000030" Gold | .000010" Gold Overall |

***M = .000030" Gold

***(YY termination only)

CONTACT CENTERS

- B = .050" [1.27 mm]

G B B 10 D HA S - Sxxx

MODIFICATION CODE (Consult Factory)

- OMIT FOR STANDARD
- S1648 = .031" ±.006" [0.79 ± 0.15] Mating PCB
- S1763 = .093" ±.008" [2.36 ± 0.20] Mating PCB (For HA & HB Termination Only)

MOUNTING STYLE (Opposite Page)

- S = Side Mounting
- D = Flush Mounting
- N = No Mounting
- T = Flush Mounting With Threaded Insert
- R = Metal Board Lock

TERMINATION TYPE (Opposite Page)

- HA, YY = .100" [2.54 mm] Staggered Right Angle
- HB = .170" [4.32 mm] Staggered Right Angle

READOUT (Opposite Page)

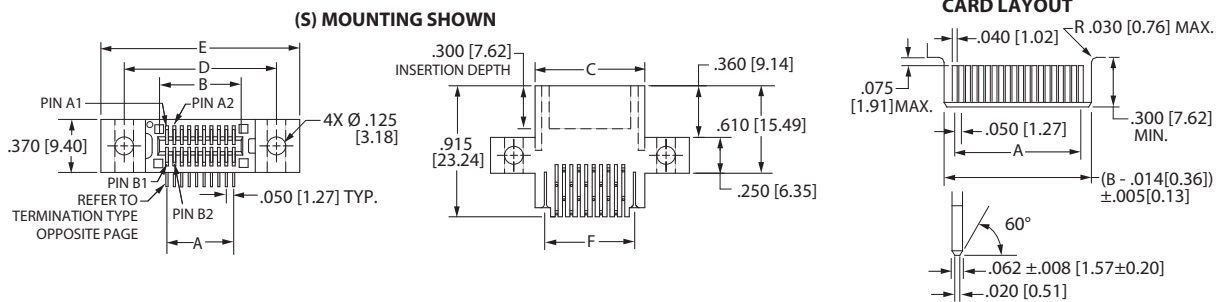
- D = Dual

NUMBER OF CONTACT POSITIONS

See Chart Below

** Consult factory for special soldering guidelines. YY termination with 'M' plating only.

DIMENSIONS Dimensions in [] are in millimeters, all others are in inches.



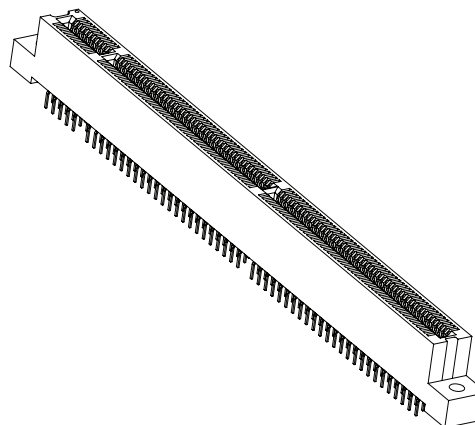
POSITIONS/ CONTACTS	INCHES						MILLIMETERS					
	A±.005	B±.005	C±.015	D±.010	E±.020	F±.010	A±0.13	B±0.13	C±0.38	D±0.25	E±0.51	F±0.25
05/10	0.200	0.300	0.490	0.776	1.090	0.350	5.08	7.62	12.45	19.71	27.69	8.89
06/12	0.250	0.350	0.540	0.826	1.140	0.400	6.35	8.89	13.72	20.98	28.96	10.16
08/16	0.350	0.450	0.640	0.926	1.240	0.500	8.89	11.43	16.26	23.52	31.50	12.70
09/18	0.400	0.500	0.690	0.976	1.290	0.550	10.16	12.70	17.53	24.79	32.77	13.97
10/20	0.450	0.550	0.740	1.026	1.340	0.600	11.43	13.97	18.80	26.06	34.04	15.24
13/26	0.600	0.700	0.890	1.176	1.490	0.750	15.24	17.78	22.61	29.87	37.85	19.05
14/28	0.650	0.750	0.940	1.226	1.540	0.800	16.51	19.05	23.88	31.14	39.12	20.32
15/30	0.700	0.800	0.990	1.276	1.590	0.850	17.78	20.32	25.15	32.41	40.39	21.59
16/32	0.750	0.850	1.040	1.326	1.640	0.900	19.05	21.59	26.42	33.68	41.66	22.86
20/40	0.950	1.050	1.240	1.526	1.840	1.100	24.13	26.67	31.50	38.76	46.74	27.94
22/44	1.050	1.150	1.340	1.626	1.940	1.200	26.67	29.21	34.04	41.30	49.28	30.48
24/48	1.150	1.250	1.440	1.726	2.040	1.300	29.21	31.75	36.58	43.84	51.82	33.02
25/50	1.200	1.300	1.490	1.776	2.090	1.350	30.48	33.02	37.85	45.11	53.09	34.29
28/56	1.350	1.450	1.640	1.926	2.240	1.500	34.29	36.83	41.66	48.92	56.90	38.10
30/60	1.450	1.550	1.740	2.026	2.340	1.600	36.83	39.37	44.20	51.46	59.44	40.64
34/68	1.650	1.750	1.940	2.226	2.540	1.800	41.91	44.45	49.28	56.54	64.52	45.72
35/70	1.700	1.800	1.990	2.276	2.590	1.850	43.18	45.72	50.55	57.81	65.79	46.99
40/80	1.950	2.050	2.240	2.526	2.840	2.100	49.53	52.07	56.90	64.16	72.14	53.34
41/82*	2.000	2.100	2.290	2.576	2.890	2.150	50.80	53.34	58.17	65.43	73.41	54.61
44/88	2.150	2.250	2.440	2.726	3.040	2.300	54.61	57.15	61.98	69.24	77.22	58.42
45/90	2.200	2.300	2.490	2.776	3.090	2.350	55.88	58.42	63.25	70.51	78.49	59.69
50/100	2.450	2.550	2.740	3.026	3.340	2.600	62.23	64.77	69.60	76.86	84.84	66.04
55/110	2.700	2.800	2.990	3.276	3.590	2.850	68.58	71.12	75.95	83.21	91.19	72.39
56/112	2.750	2.850	3.040	3.326	3.640	2.900	69.85	72.39	77.22	84.48	92.46	73.66
60/120	2.950	3.050	3.240	3.526	3.840	3.100	74.93	77.47	82.30	89.56	97.54	78.74
62/124	3.050	3.150	3.340	3.626	3.940	3.200	77.47	80.01	84.84	92.10	100.08	81.28
64/128	3.150	3.250	3.440	3.726	4.040	3.300	80.01	82.55	87.38	94.64	102.62	83.82
65/130	3.200	3.300	3.490	3.776	4.090	3.350	81.28	83.82	88.65	95.91	103.89	85.09
66/132	3.250	3.350	3.540	3.826	4.140	3.400	82.55	85.09	89.92	97.18	105.16	86.36
70/140	3.450	3.550	3.740	4.026	4.340	3.600	87.63	90.17	95.00	102.26	110.24	91.44
75/150	3.700	3.800	3.990	4.276	4.590	3.850	93.98	96.52	101.35	108.61	116.59	97.79
79/158	3.900	4.000	4.190	4.476	4.790	4.050	99.06	101.60	106.43	113.69	121.67	102.87
80/160	3.950	4.050	4.240	4.526	4.840	4.100	100.33	102.87	107.70	114.96	122.94	104.14
81/162	4.000	4.100	4.290	4.576	4.890	4.150	101.60	104.14	108.97	116.23	124.21	105.41
85/170*	4.200	4.300	4.490	4.776	5.090	4.350	106.68	109.22	114.05	121.31	129.29	110.49
90/180	4.450	4.550	4.740	5.026	5.340	4.600	113.03	115.57	120.40	127.66	135.64	116.84
92/184*	4.550	4.650	4.840	5.126	5.440	4.700	115.57	118.11	122.94	130.20	138.18	119.38
95/190	4.700	4.800	4.990	5.276	5.590	4.850	119.38	121.92	126.75	134.01	141.99	123.19
96/192*	4.750	4.850	5.040	5.326	5.640	4.900	120.65	123.19	128.02	135.28	143.26	124.46
100/200	4.950	5.050	5.240	5.526	5.840	5.100	125.73	128.27	133.10	140.36	148.34	129.54
105/210	5.200	5.300	5.490	5.776	6.090	5.350	132.08	134.62	139.45	146.71	154.69	135.89
106/212	5.250	5.350	5.540	5.826	6.140	5.400	133.35	135.89	140.72	147.98	155.96	137.16
108/216*	5.350	5.450	5.640	5.926	6.240	5.500	135.89	138.43	143.26	150.52	158.50	139.70
110/220	5.450	5.550	5.740	6.026	6.340	5.600	138.43	140.97	145.80	153.06	161.04	142.24
120/240	5.950	6.050	6.240				151.13	153.67	158.50			154.94

* Consult factory for availability for sizes not shown.



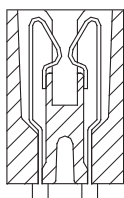
SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board (Consult factory for other board thicknesses)
- PPS or PA9T insulator
- Molded-in key available
- High reliability/high cycle hairpin bellow contacts
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0



High Density Card Edge

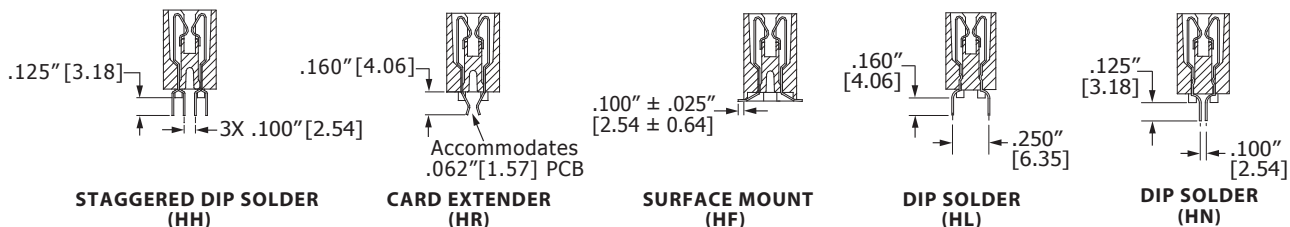
READOUT



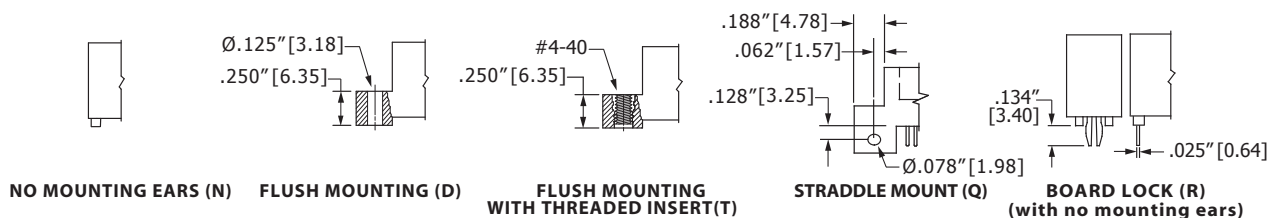
DUAL (D)

TERMINATION TYPE

Consult Factory for PC Board Layouts



MOUNTING STYLE



Industry Standard Part



High Density Card Edge

PART NUMBER OPTIONS

MATERIALS (INSULATOR/CONTACT)

- G = PA9T/Phosphor Bronze
- R = PPS/Phosphor Bronze
- J = PA9T/Beryllium Copper
- A = PPS/Beryllium Copper

Refer to Page 7 for Operating/Processing Temperatures

CONTACT FINISH - RoHS Compliant

All platings are Lead Free and have .000050" Nickel underplate

Contact Surface	Termination
B = .000010" Gold	.000100" Pure Tin, Matte
C = .000030" Gold	.000100" Pure Tin, Matte

CONTACT CENTERS

B = .050" [1.27 mm]

NUMBER OF CONTACT POSITIONS

56, 66, 91, 106

G B B 56 D HH D - S578

MODIFICATION (Consult Factory)

- S578 = Card Slot Barriers With Guide Posts
- S621 = Card Slot Barriers Without Guide Posts

MOUNTING STYLE

- N = No Mounting
- D = Flush Mounting
- T = Flush Mounting With Threaded Insert
- Q = Straddle Mount (Card Extender Only - Consult Factory)
- R = Metal Board Lock

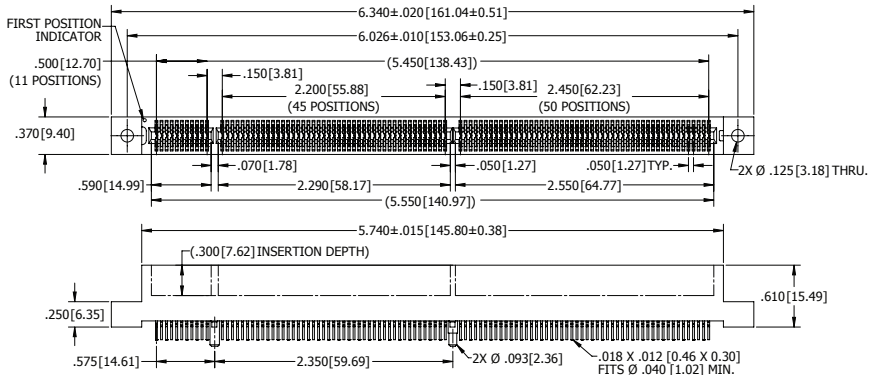
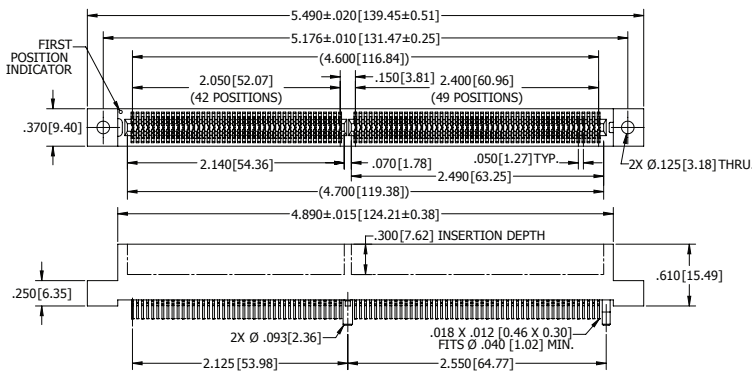
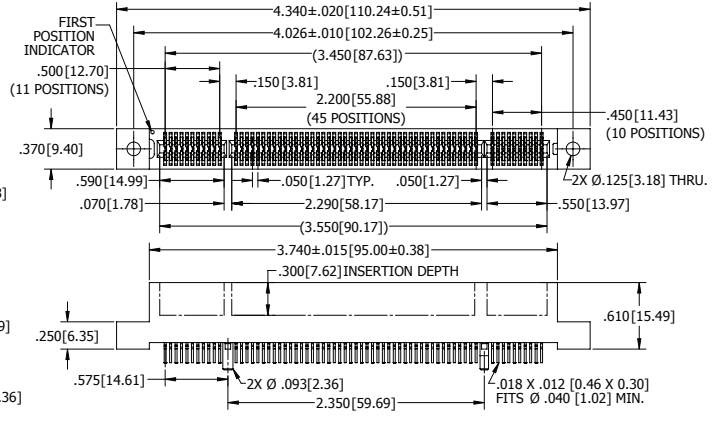
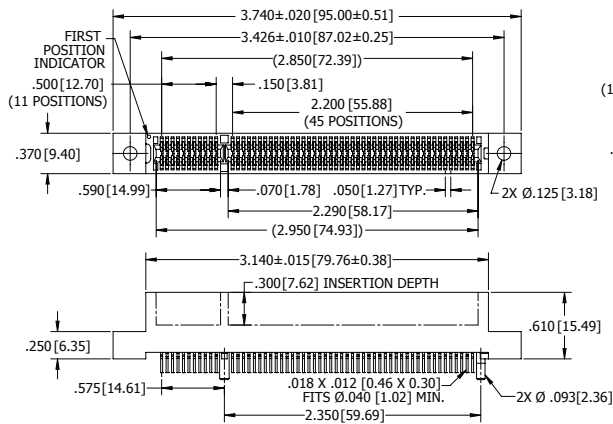
TERMINATION TYPE

- HH = Staggered Dip Solder
- HR = Card Extender
- HF = Surface Mount
- HL = .250" [6.35] X .160" [4.06] Dip Solder
- HN = .100" [2.54] X .125" [3.18] Dip Solder

READOUT

D = Dual

DIMENSIONS Dimensions in [] are in millimeters, all others are in inches.



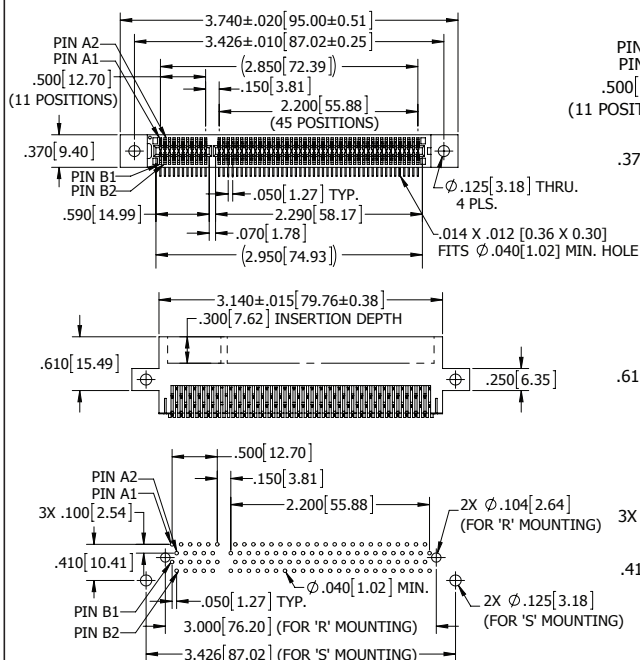


.050" [1.27 mm] Contact Centers, .915" [23.24 mm] Insulator Height, [MCA] Right Angle

Industry Standard Part

High Density Card Edge

DIMENSIONS Dimensions in [] are in millimeters, all others are in inches.

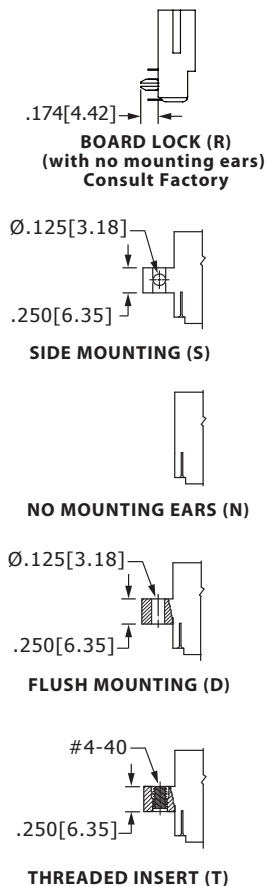


GBB56DHAS-S621, 56(11/45) POSITIONS

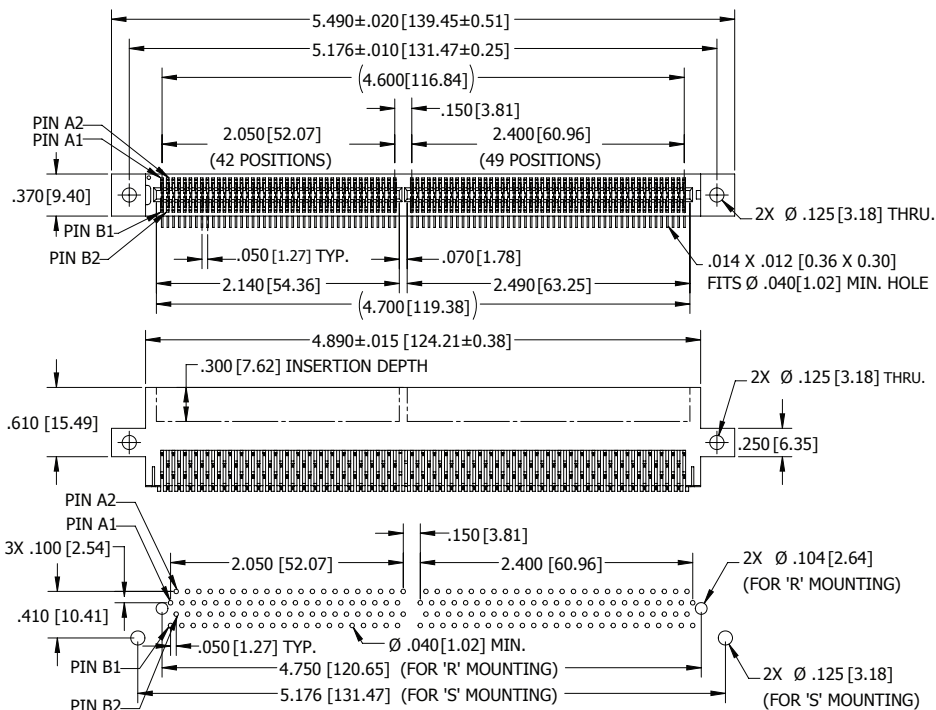


GBB66DHAS-S621, 66(11/45/10) POSITIONS

MOUNTING STYLE



DIMENSIONS Dimensions in [] are in millimeters, all others are in inches.



GBB91DHAS-S621, 91 (42/49) POSITIONS



Industry Standard Part

High Density Card Edge

PART NUMBER OPTIONS

MATERIALS (INSULATOR/CONTACT)

- G = PA9T/Phosphor Bronze
- R = PPS/Phosphor Bronze
- J = PA9T/Beryllium Copper
- A = PPS/Beryllium Copper

Refer to Page 7 for Operating/Processing Temperatures

CONTACT FINISH - RoHS Compliant
All platings are Lead Free and have .000050" Nickel underplate

Contact Surface	Termination
B = .000010" Gold	.000100" Pure Tin, Matte
C = .000030" Gold	.000100" Pure Tin, Matte

CONTACT CENTERS

- B = .050" [1.27 mm]

MODIFICATION (Consult Factory)
-S621 = Card Slot Barriers Without Guide Posts

MOUNTING STYLE (Opposite Page)

- S = Side Mounting
- D = Flush Mounting
- N = No Mounting
- T = Flush Mounting With Threaded Insert
- R = Metal Board Lock

TERMINATION TYPE

- HA = .100" [2.54 mm] Staggered Right Angle
- HB = .170" [4.32 mm] Staggered Right Angle

READOUT

- D = Dual

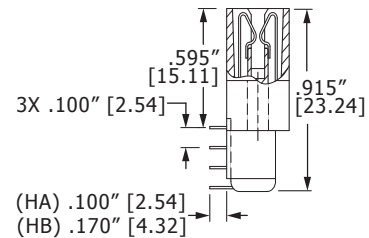
NUMBER OF CONTACT POSITIONS

- 56 = 11/45
- 66 = 11/45/10
- 91 = 42/49
- 106 = 11/45/50

SPECIFICATIONS

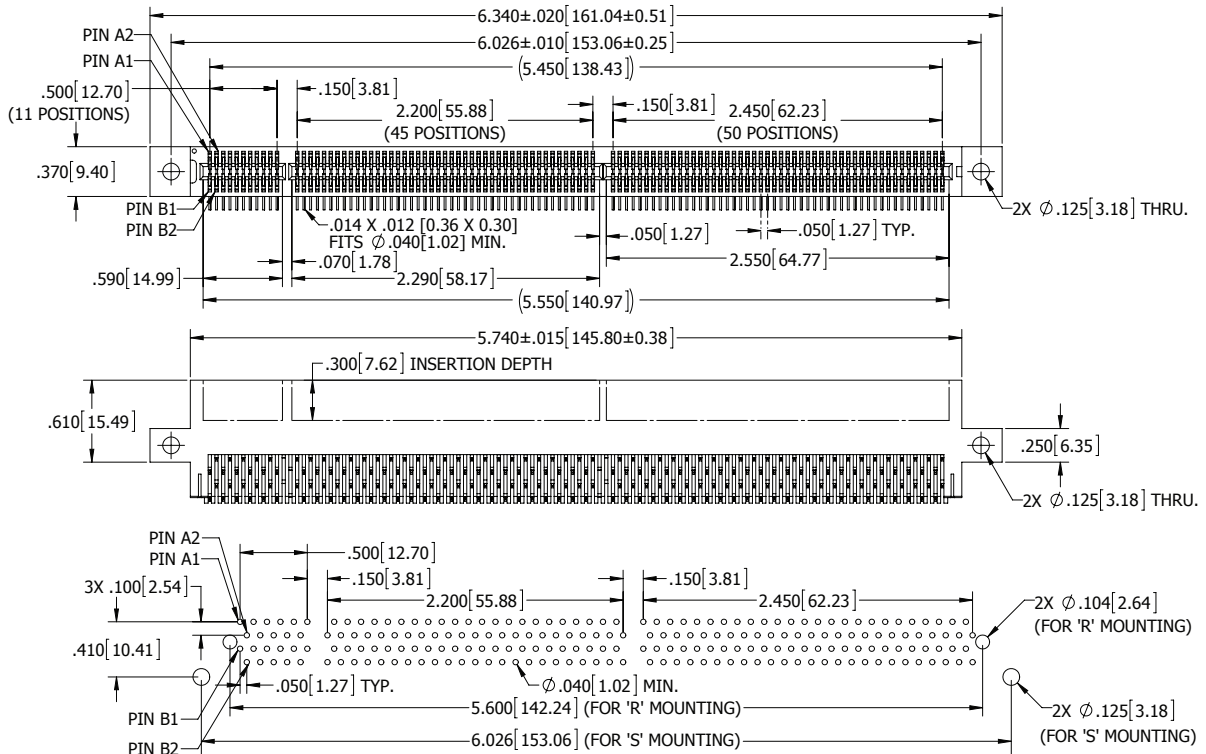
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- PPS or PA9T insulator
- Molded-in key available
- High reliability/high cycle hairpin bellow contacts
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0

TERMINATION TYPE



DIMENSIONS

Dimensions in [] are in millimeters, all others are in inches.



BOARD LAYOUT, CONNECTOR SIDE
GBB106DHAS-S621, 106 (11/45/50) POSITIONS



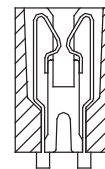
.050" [1.27 mm] Contact Centers, .610" [15.49 mm] Insulator Height, [PCI] Dip Solder/Card Extender/SMT

Industry Standard Part

SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- PPS or PA9T insulator
- Molded-in key available
- High reliability/high cycle hairpin bellow contacts
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0

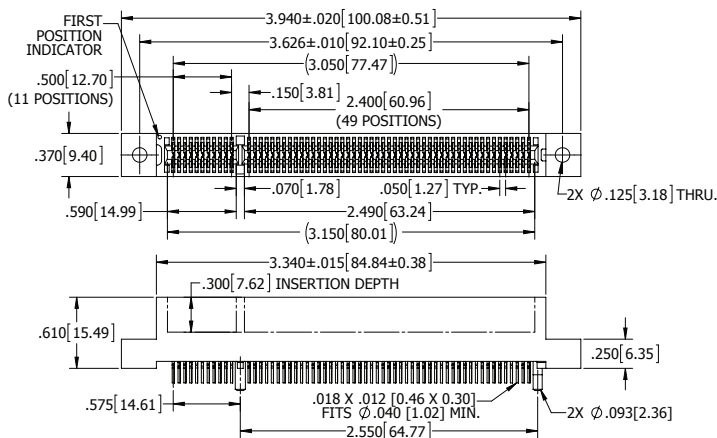
READOUT



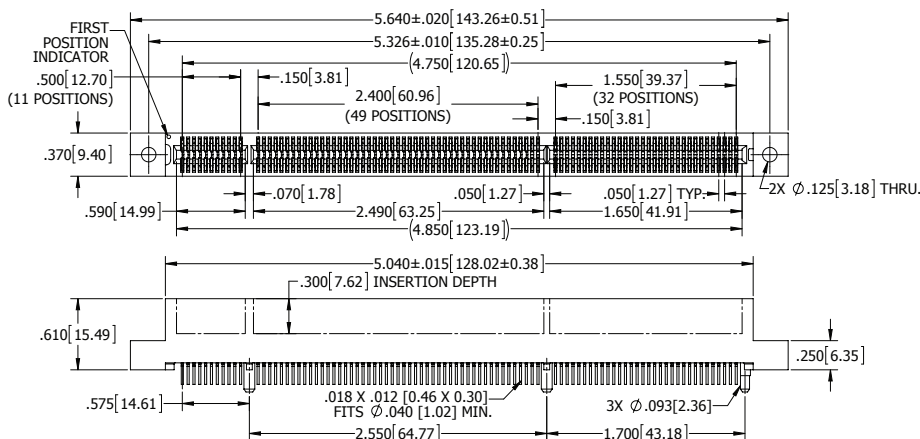
DUAL (D)

DIMENSIONS

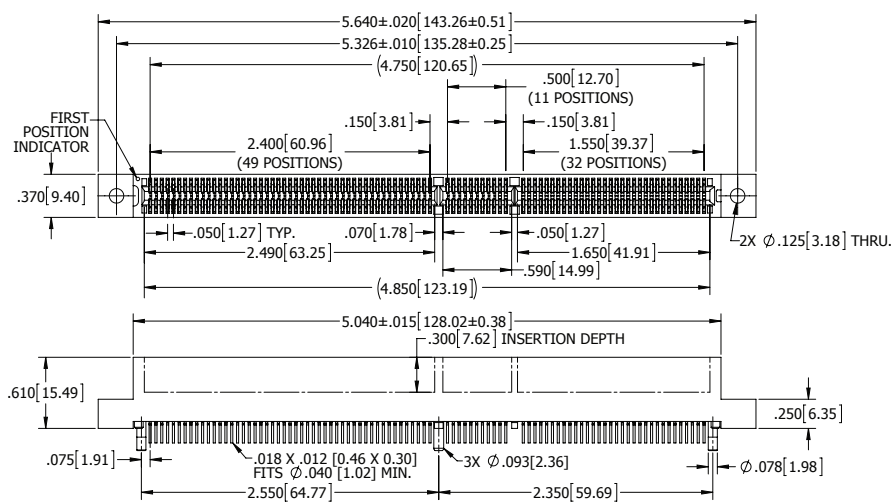
Dimensions in [] are in millimeters, all others are in inches.



GBB60DHHD-S578, 60 (11/49) POSITIONS, 32 BIT, 3.3 OR 5 VOLT



GBB92DHHD-S330, 92 (11/49/32) POSITIONS, 64 BIT, 3.3 VOLT



GBB92DHHD-S378, 92 (49/11/32) POSITIONS, 64 BIT, 5 VOLT



Industry Standard Part

High Density Card Edge

PART NUMBER OPTIONS

G B B 60 D HH D - S578

MATERIALS (INSULATOR/CONTACT)

- G = PA9T/Phosphor Bronze
- R = PPS/Phosphor Bronze
- J = PA9T/Beryllium Copper
- A = PPS/Beryllium Copper

Refer to Page 7 for Operating/Processing Temperatures

CONTACT FINISH - RoHS Compliant

All platings are Lead Free and have .000050" Nickel underplate

Contact Surface	Termination
B = .000010" Gold	.000100" Pure Tin, Matte
C = .000030" Gold	.000100" Pure Tin, Matte

CONTACT CENTERS

B = .050" [1.27 mm]

NUMBER OF CONTACT POSITIONS

- *60 = 11/49 (32 Bit, 3.3 or 5 Volt)
- 92 = 11/49/32 (64 Bit, 3.3 Volt)
- 92 = 49/11/32 (64 Bit, 5 Volt)

READOUT

D = Dual

MODIFICATION (Consult Factory)

PCI WITH GUIDE POSTS

- *-S578 = 60 (11/49) Positions (32 Bit, 3.3 or 5 Volt)
- S330 = 92 (11/49/32) Positions (64 Bit, 3.3 Volt)
- S378 = 92 (49/11/32) Positions (64 Bit, 5 Volt)

PCI WITHOUT GUIDE POSTS

- *-S621 = 60 (11/49) Positions (32 Bit, 3.3 or 5 Volt)
- S329 = 92 (11/49/32) Positions (64 Bit, 3.3 Volt)
- S250 = 92 (49/11/32) Positions (64 Bit, 5 Volt)

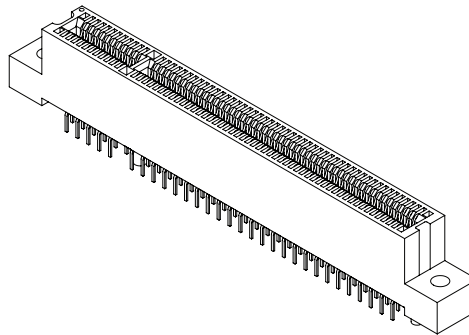
MOUNTING STYLE

- D = Flush Mounting
- N = No Mounting
- T = Flush Mounting With Threaded Insert
- Q = Straddle Mount
(Card Extender Only - Consult Factory)
- R = Metal Board lock

TERMINATION TYPE

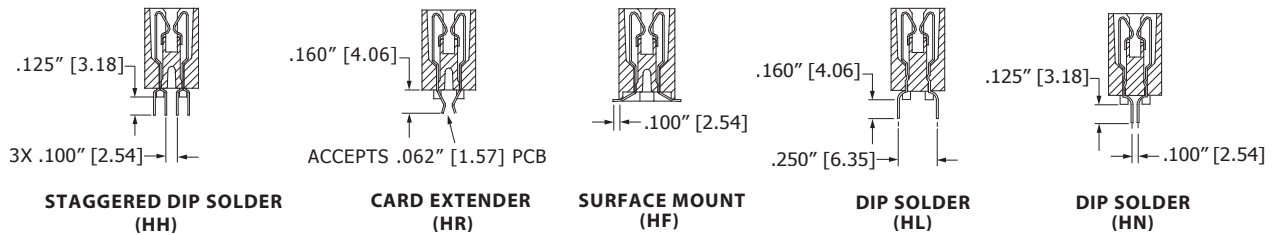
- HH = Staggered Dip Solder
- HR = Card Extender
- HF = Surface Mount
- HL = .250" [6.35 mm] X .160" [4.06 mm] Dip Solder
- HN = .125" [3.18 mm] X .100" [2.54 mm] Dip Solder

*Turn connector or board 180° for 3.3 or 5 Volt



FOR PC BOARD LAYOUTS REFER TO www.sullinscorp.com

TERMINATION TYPE



MOUNTING STYLE

