

845/895 SERIES



High Temp Card Edge Connectors 0.100" (2.54mm) Pitch

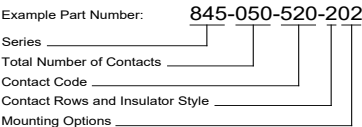
Features:

- 0.100" (2.54mm) contact spacing x 0.200" (5.08mm) row spacing
- Accepts 0.062" (1.57mm) nominal thickness P.C. board
- High profile insulator body, 0.600" (15.24mm)
- Contact termination options include P.C. tail, wire wrap, wire hole, 90 degree bends and extender board bends
- Single or dual row configurations
- Large variety of mounting options, flush or offset lugs
- Accepts between contact and in-contact polarizing keys
- Pre-assembled card guides are available
- Automatic wire wrap positioning holes
- RoHS Compliant & UL Certified



Specifications:

Insulator Material	(845: Diallyl Phthalate) (895: Polyphenylene sulfide) , UL 94V-0
Contact Material	Copper Alloy
Contact Plating	Gold Plating on mating area and Tin Plating on tails with Nickel underplating all over
Current Rating	3 amps
Contact Resistance	10 milliohms maximum
Dielectric Withstanding Voltage	1200 V AC rms at sea level between adjacent contacts
Insulation Resistance	5000 megaohms minimum
Operating Temperature	-40°C to +125°C
Insertion Force	16 oz (4.45 N) maximum per contact pair when tested with .070" (1.78mm) thick gauge
Withdrawal Force	1 oz (0.28 N) minimum per contact pair when tested with .054" (1.37mm) thick gauge



Series:	Insulator Color:	Contact Code:	Tail Description:	Tail Size:	Tail Length "G":	
845	Green	500	Wire Hole	.050 x .025 (1.27 x 0.64)	.260 (6.60)	
895	Black	520	P.C. Tail	.030 x .018 (0.76 x 0.46)	.175 (4.45)	
Total Number of Contacts:	Contact Rows:	521	P.C. Tail	.025 Square (0.64 Square)	.150 (3.81)	
005, 006, 072	Single Row	523	P.C. Tail	.025 Square (0.64 Square)	.390 (9.91)	
010, 012, 144	Dual Row	524	P.C. Tail	.018 Square (0.46 Square)	.175 (4.45)	
Contact Rows:	Description:	Insulator Style:	525	P.C. Tail	.018 Square (0.46 Square)	.150 (3.81)
1	Single Row	Flush Mounting Lugs	540	Wire Wrap	.025 Square (0.64 Square)	.560 (14.22)
2	Dual Row	Flush Mounting Lugs	541	Wire Wrap	.025 Square (0.64 Square)	.750 (19.05)
4	Single Row	.110 (2.79) Offset Lugs	542	Wire Wrap	.025 Square (0.64 Square)	.645 (16.38)
5	Dual Row	.110 (2.79) Offset Lugs	544	Wire Wrap	.050 x .025 (1.27 x 0.64)	.750 (19.05)
6	Single Row	.170 (4.32) Offset Lugs	555	EXTENDER BOARD BEND	(CODE 500 CONTACTS)	
8	Dual Row	.170 (4.32) Offset Lugs	556	EXTENDER BOARD BEND	(CODE 520 CONTACTS)	
Mounting Options:	Description:	558	90 DEGREE BEND	(CODE 541 CONTACTS)		
01	No Mounting Lug	559	90 DEGREE BEND	(CODE 541 CONTACTS)		
02	Ø.128" (Ø3.25mm) Mounting Holes	560	EXTENDER BOARD BEND	(CODE 523 CONTACTS)		
03	Ø.116" (Ø2.95mm) I.D. Floating Eyelets					
04	Ø.156" (Ø3.96mm) Mounting Holes					
07	M3-0.5 Metric Threaded Inserts					
08	#4-40 Unified Threaded Inserts					
12	Ø.128" (Ø3.25mm) Side Mounting Holes					

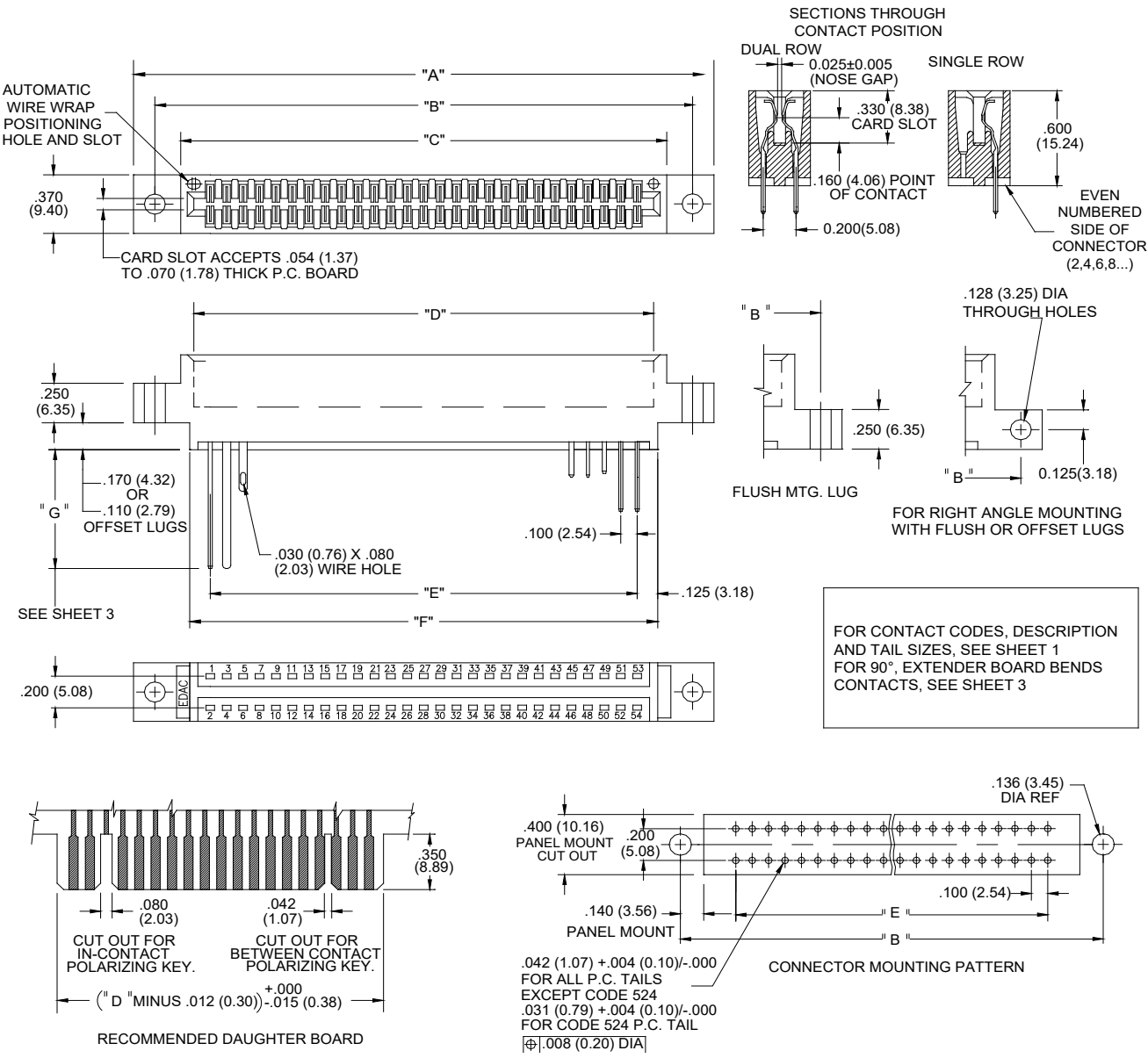
Ordering Code Notes:

1) All connector sizes up to 72 contacts single row / 144 contacts dual row are available upon request.

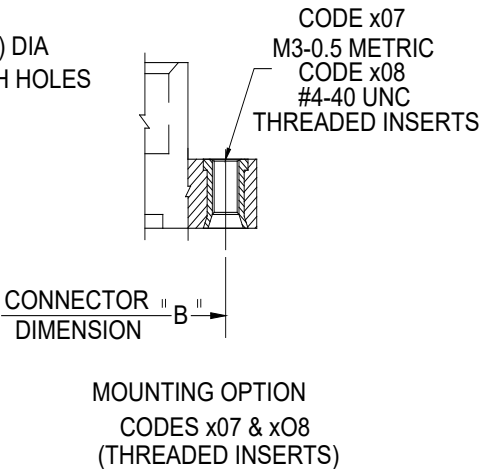
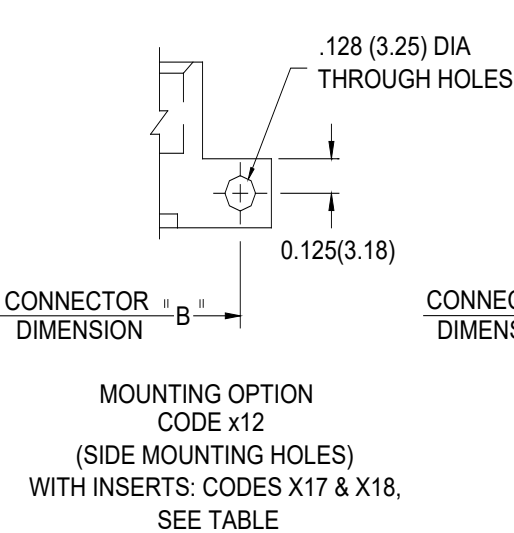
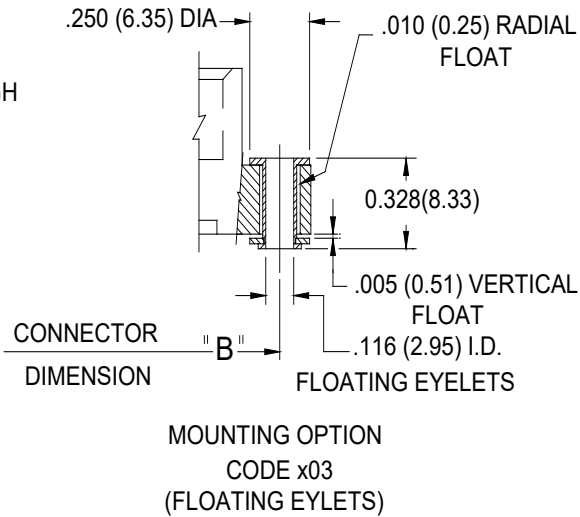
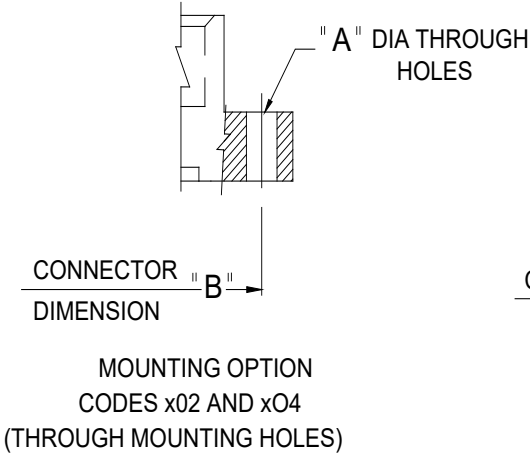
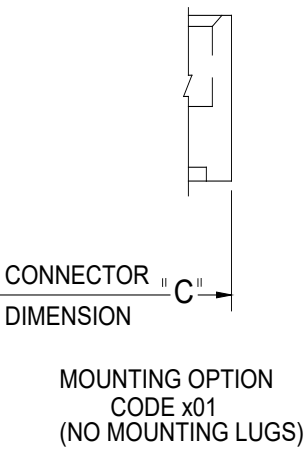
2) For details of the extender board and 90 degree bends refer to next pages.

3) For lug-less connectors, code 01 mounting, specify contact row code 1 or 2.

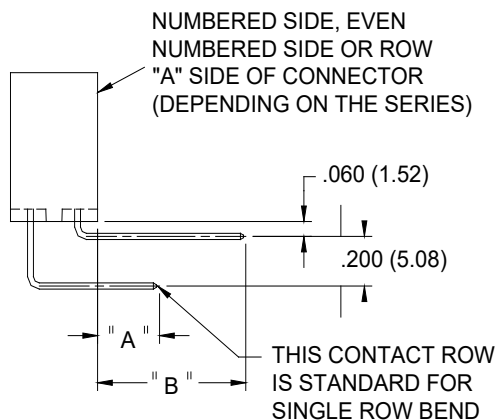
4) For details of the mounting options refer to page 3 & page 4.



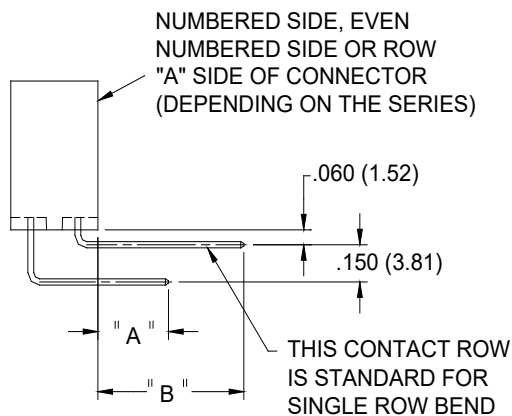
NUMBER OF COTACTS		"A"		"B"		"C"		"D"		"E"	
Single	Double	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
5	10	1.306	33.92	1.028	27.96	0.746	19.96	0.600	15.24	0.400	10.16
10	20	1.806	46.82	1.528	39.66	1.246	32.66	1.100	27.94	0.900	22.86
15	30	2.106	54.28	1.828	47.88	1.546	39.82	1.400	35.56	1.200	30.48
18	36	2.306	59.82	2.028	52.36	1.746	44.36	1.600	40.64	1.400	35.56
22	44	2.606	66.98	2.328	59.98	2.046	52.92	1.900	48.26	1.700	43.18
25	50	3.006	76.20	2.728	69.44	2.446	62.48	2.300	58.42	2.100	53.34
30	60	3.306	84.82	3.028	78.76	2.746	69.76	2.600	66.04	2.400	60.96
35	70	3.806	98.82	3.528	90.86	3.246	82.86	3.100	78.74	2.900	73.66
38	76	3.906	99.96	3.628	93.06	3.346	84.94	3.200	81.28	3.000	76.20
40	80	4.006	102.82	3.728	95.06	3.446	87.06	3.300	83.82	3.100	78.74
45	90	4.506	114.82	4.228	108.06	3.946	100.06	3.800	96.86	3.600	91.44
50	100	5.006	129.82	4.728	120.06	4.446	113.06	4.300	109.86	4.100	104.14
55	110	5.506	140.82	5.228	133.06	4.946	125.06	4.800	121.92	4.600	116.82
60	120	6.006	153.82	5.728	145.06	5.446	138.06	5.300	134.94	5.100	129.86
65	130	6.506	165.82	6.228	158.06	5.946	150.06	5.800	147.02	5.600	142.02



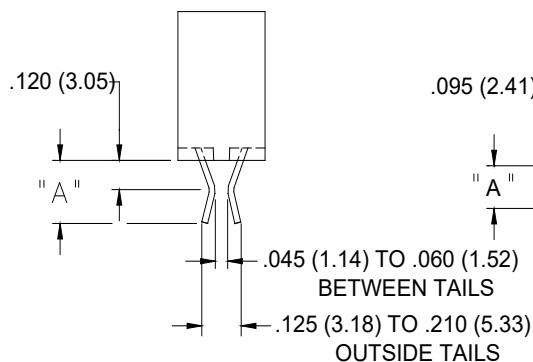
CODE X02 AND X04- THROUGH MTG. HOLES		
	CODE X02	CODE X04
"A" DIA.	0.128(3.25)	0.156(3.96)
CODE X07 AND X08- THREADED INSERTS		
	CODE X07	CODE X08
INSERT	M3-0.5(METRIC)	#4-40 UNC
SIDE MOUNTING HOLES WITH INSERTS		
	CODE X17	CODE X18
INSERT	M3-0.5(METRIC)	#4-40 UNC



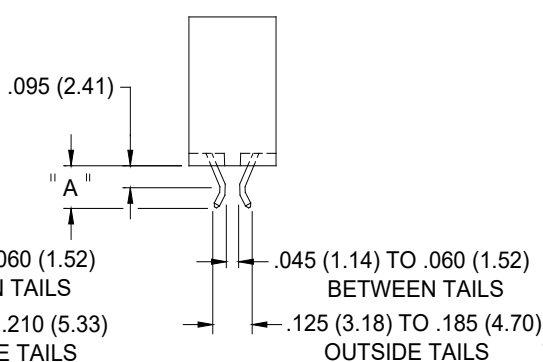
CONTACT CODE 558



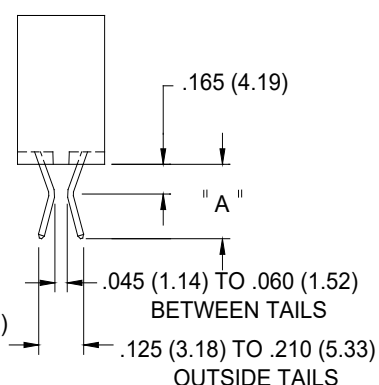
CONTACT CODE 559



CONTACT CODE 555 BEND USES WIRE HOLE CONTACTS



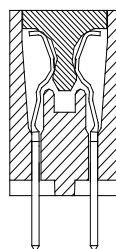
CONTACT CODE 556



CONTACT CODE 560

MTG. OPTION	A	B
555	0.245(6.22)	
556	0.170(4.32)	
558	0.235(5.97)	0.635(16.13)
559	0.285(7.24)	0.635(16.13)
560	0.375(9.53)	

IN-CONTACT POLARIZING KEY
P/N 345-240-328



BETWEEN CONTACT POLARIZING KEY
P/N 345-240-318

