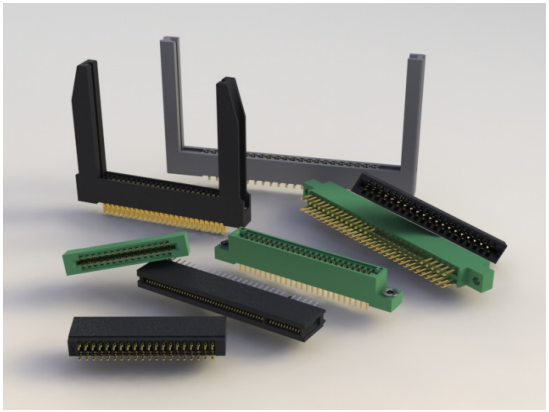
342/392 SERIES

Card Edge Connector 0.100" (2.54mm) Pitch



• FEATURES:

- .100" (2.54mm) Contact Spacing x .200" (5.08mm) Row Spacing
- Accepts .062" (1.57mm) Nominal Thickness P.C. Board
- High Profile Insulator Body, .590" (15.24mm)
- Contact Termination Options include P.C. Tail, Wire Wrap, 90 Degree Bends and Extender Board Bends
- Single or Dual Row Configurations
- Variety of Mounting Options, Flush or Offset Lugs
- Accepts between Contact and In-Contact Polarizing Keys
- RoHS Compliant & UL Recognized

Specifications:

Insulator Material	UL 94V-0 Thermoplastic Polyester
Contact Material	Copper Alloy
Contact Plating	Gold Plating on mating area and Tin Plating on tails with Nickel underplating all over
Current Rating	3 Amperes
Contact Resistance	10 milliohms maximum
Dielectric Withstand Voltage	1200 VAC rms at sea level between adjacent contacts
Insulation Resistance	5000 Megohms minimum
Operating Temperature	-40°C to +105°C
Insertion Force	16oz (4.45N) maximum per contact pair when tested with .070" (1.78mm) thick gauge
Withdrawal Force	1oz (0.28N) minimum per contact pair when tested with .054" (1.37mm) thick gauge

Example Part Number: 342-100-541-202

- Series
- Total Number of Contacts
- Contact Code
- Contact Rows
- Mounting Options

Series:	Insulator Color
342	Green
392	Black

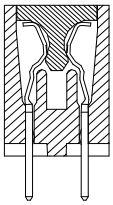
Contact Rows:	Description
1	Single Row
2	Dual Row

Total Number of Contacts:	Contact Rows
005, 006, ... 059	Single Row
010, 012, ... 116	Dual Row

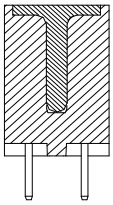
Contact Code		Description & Tail Size	Tail Length "G"
500	Wire Hole	.050 x .025 (1.27 x 0.64)	.270 (6.86)
520	P.C. Tail	.030 x .018 (0.76 x 0.46)	.185 (4.70)
521	P.C. Tail	.025 Square (0.64 Square)	.160 (4.06)
523	P.C. Tail	.025 Square (0.64 Square)	.400 (10.16)
524	P.C. Tail	.018 Square (0.46 Square)	.185 (4.70)
540	Wire Wrap	.025 Square (0.64 Square)	.570 (14.48)
541	Wire Wrap	.025 Square (0.64 Square)	.760 (19.30)
542	Wire Wrap	.025 Square (0.64 Square)	.655 (16.64)
544	Wire Wrap	.050 x .025 (1.27 x 0.64)	.760 (19.30)
555	EXTENDER BOARD DEND (CODE 500 CONTACTS)		
556	EXTENDER BOARD BEND (CODE 520 CONTACTS)		
558	90 DEGREE BEND (CODE 541 CONTACTS)		
559	90 DEGREE BEND (CODE 541 CONTACTS)		
560	EXTENDER BOARD BEND (CODE 523 CONTACTS)		

Mounting Options:	Description
01	No Mounting Lug
02	128" (3.25mm) Wide Mounting Holes
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

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



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



Ordering Code Notes:

1) All connector sizes up to 58 contacts single row / 116 contacts dual row are available upon request.
2) The 500 contact code is only available in the 342 series. Green polyphenylene sulphide insulator material will be supplied.
3) For details of the extender board and 90 degree bends refer to next pages.
4) For details of the mounting options refer to next pages.

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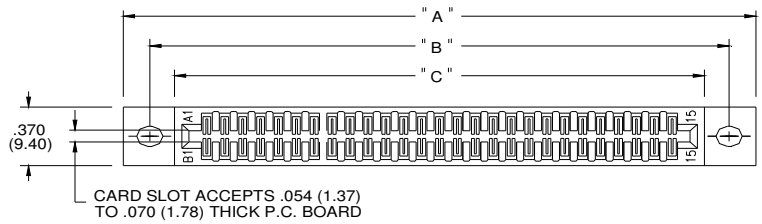
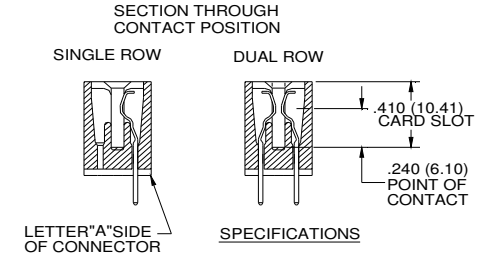
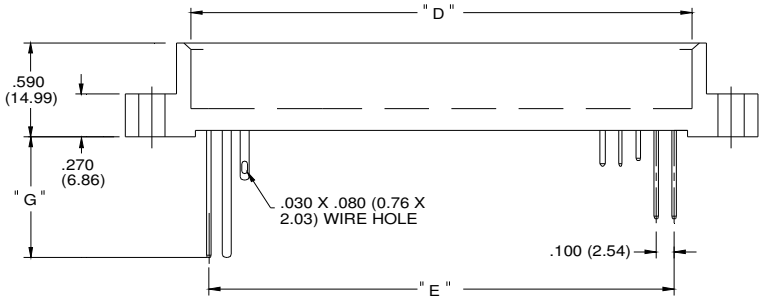
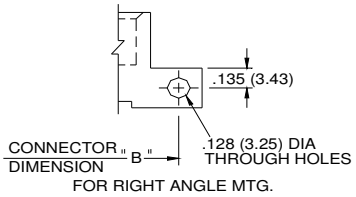
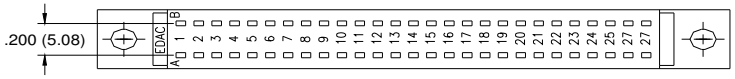
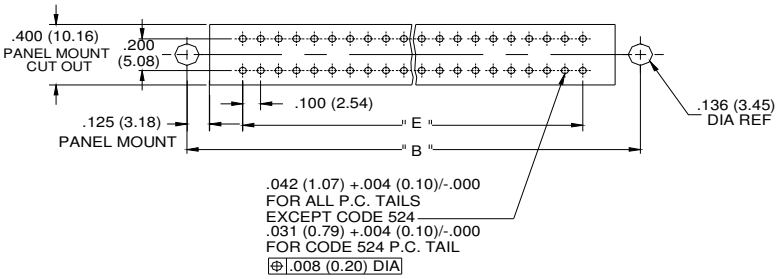




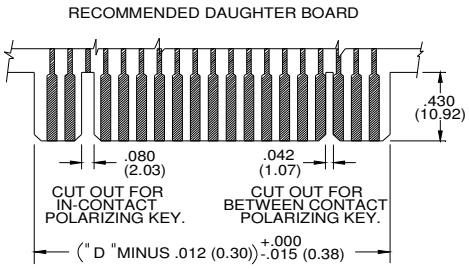








CONNECTOR MOUNTING PATTERN



NUMBER OF CONTACTS		"A"		"B"		"C"		"D"		"E"	
Single	Double	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
5	10	1.300	33.02	1.022	25.96	0.746	18.95	0.600	15.24	0.400	10.16
10	20	1.800	45.72	1.522	38.66	1.246	31.65	1.100	27.94	0.900	22.86
15	30	2.100	53.34	1.822	46.28	1.546	39.27	1.400	35.56	1.200	30.48
13	26	2.300	58.42	2.022	51.36	1.746	44.35	1.600	40.64	1.400	35.56
18	36	2.600	66.04	2.322	58.98	2.046	51.97	1.900	48.26	1.700	43.18
22	44	3.000	76.20	2.722	69.14	2.446	62.13	2.300	58.42	2.100	53.34
25	50	3.300	83.82	3.022	76.76	2.746	69.75	2.600	66.04	2.400	60.96
30	60	3.800	96.52	3.522	89.46	3.246	82.45	3.100	78.74	2.900	73.66
31	62	3.900	99.06	3.622	92.00	3.346	84.99	3.200	81.28	3.000	76.20
35	70	4.300	109.22	4.022	102.16	3.746	95.15	3.600	91.44	3.400	86.36
36	72	4.400	111.76	4.122	104.70	3.846	97.69	3.700	93.98	3.500	88.90
43	86	5.100	129.54	4.822	122.48	4.546	115.47	4.400	111.76	4.200	106.68
50	100	5.800	147.32	5.522	140.26	5.246	133.25	5.100	129.54	4.900	124.46
58	116	6.600	167.64	6.322	160.58	6.046	153.57	5.900	149.86	5.700	144.78

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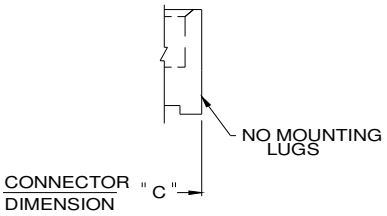
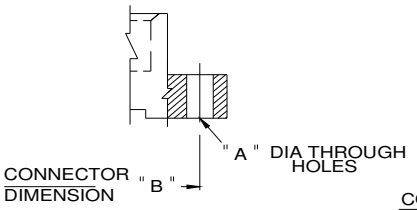
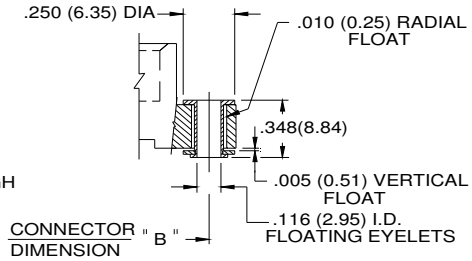


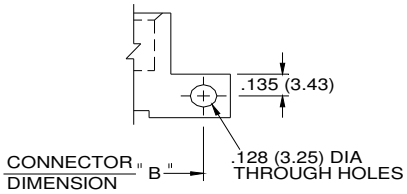
MOUNTING OPTION
CODE x01



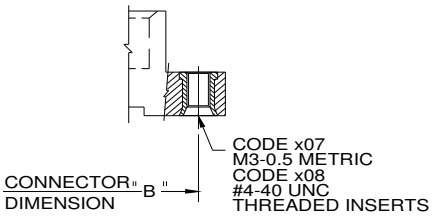
MOUNTING OPTION
CODES x02 and xO4



MOUNTING OPTION
CODE x03

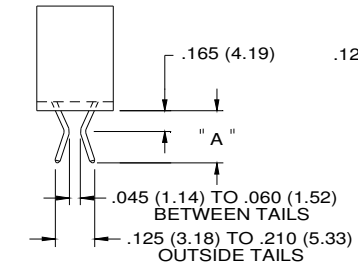


FOR RIGHT ANGLE MTG.
CODE X12

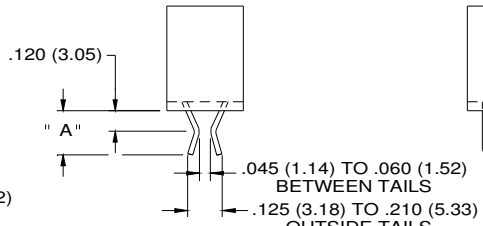


MOUNTING OPTION
CODES x07 & xO8

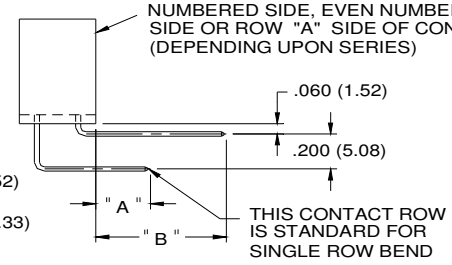
CODE X02 AND X04- THROUGH MTG. HOLES		
	CODE X02	CODE X04
"A" DIA.	0.128(3.25)X 0.146(3.71) SLOT	0.156(3.96)
CODE X07 AND X08- THREADED INSERTS		
	CODE X07	CODE X08
INSERT	M3-0.5(METRIC)	#4-40 UNC
SIDE MOUNTING HOLES WITH INSERTS		
	CODE X17	CODE X18
INSERT	M3-0.5(METRIC)	#4-40 UNC



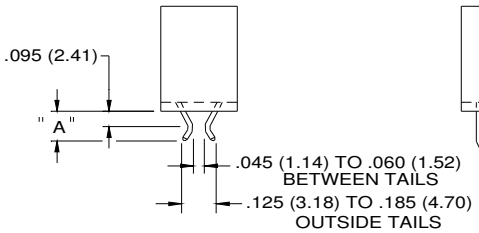
CONTACT CODE 560



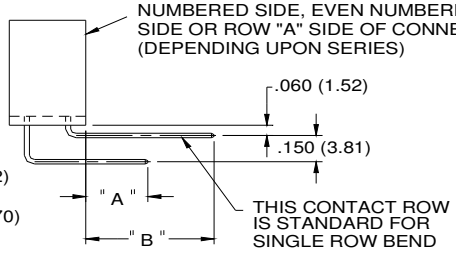
CONTACT CODE 555
BEND USES WIRE HOLE CONTACTS



CONTACT CODE 558



CONTACT CODE 556



CONTACT CODE 559

MTG. OPTION	A	B
555	0.255(6.48)	
556	0.180(4.57)	
558	0.245(6.22)	0.645(16.38)
559	0.295(7.49)	0.645(16.38)
560	0.385(9.78)	

LifeElectronics
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ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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