



**Subject: Product modification on our 307 and 357 series Edge connector.**

Notice to our valued customers.

Please note that we, Edac Inc., have modified the design on our 307 (Green insulator) and 357 (Black insulator) series of Edge Connectors. We have changed the insulator height from .460 to .475.

This modification will improve the ruggedness and performance of this particular Edac Edge Connector Series.

A drawing covering this enhancement is attached for your records. Should you have any comments or questions, please do not hesitate to contact me personally.

Yours truly,

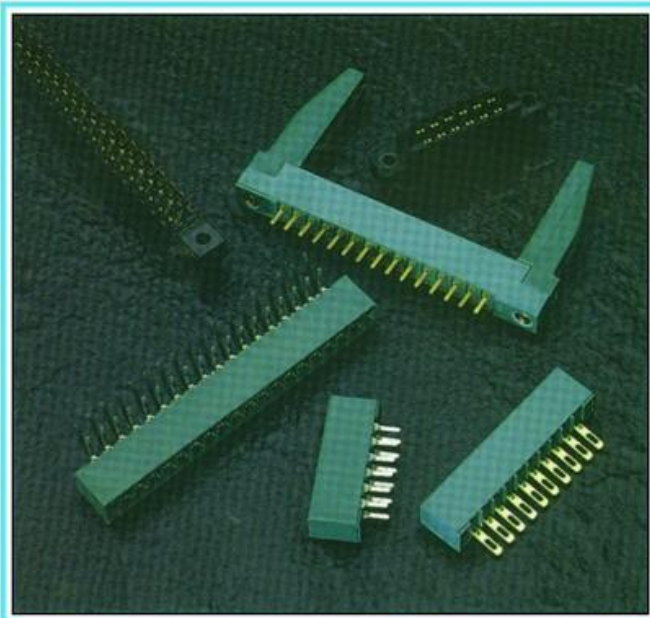
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# 307/357 SERIES CARD EDGE CONNECTOR

.156" (3.96mm) Contact Spacing



## FEATURES

- CSA Approved and UL Recognized
- .156 (3.96) Contact Spacing x .200 (5.08) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- Low Profile Insulator Body, .460 (11.68)
- Contact Termination Options include P.C. Tail, Wire Hole, Wire Wrap, 90 Degree & Extender Board Bends
- Single or Dual Row Configurations
- Large Variety of Mounting Options
- Pre-assembled Card Guides Available
- Accepts Between Contact and In-Contact Polarizing Keys

## SPECIFICATIONS

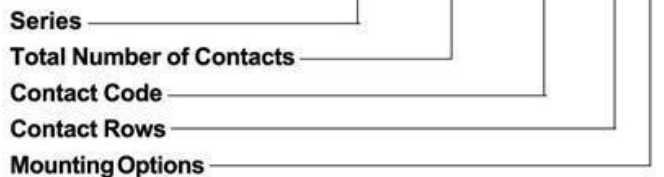
- ◆ Insulator Material: Thermoplastic Polyester, UL 94V-0
- ◆ Contact Material: Copper, Nickel, Tin Alloy CA-725
- ◆ Contact Plating: Gold on the Mating Area, Tin on the Contact Tails, Nickel Underplate
- ◆ Current Rating: 5 Amperes Continuous
- ◆ Contact Resistance: 10 Milliohms Maximum
- ◆ Dielectric Withstanding Voltage: 1800 V AC rms at Sea Level Between Adjacent Contacts
- ◆ Insulation Resistance: 5000 Megohms Minimum
- ◆ Operating Temperature: -65 to +105 Degrees C
- ◆ Insertion Force: 16 oz (4.45 N) Maximum per Contact Pair when Tested with a .070 (1.78) Thick Gauge
- ◆ Withdrawal Force: 1 oz (0.28 N) Minimum per Contact Pair when Tested with a .054 (1.37) Thick Gauge

### Ordering Code Notes

- 1) All connector sizes up to 44 contacts single row / 88 contacts dual row are available upon request.
- 2) For contacts with overall tin plating, change the first digit of the contact code from 5 to 4.
- 3) Single row contacts that read both sides of the daughter board are phosphor bronze CA-510 material with entire surface plated gold over nickel.
- 4) For details of the extender board and 90 degree bends, refer to page 61.
- 5) Switching contacts, assembled in specific contact positions, are available upon request.
- 6) For details of the mounting options, refer to page 63.

## 307/357 SERIES ORDERING CODE

Example Part Number **307 - 044 - 520 - 2 02**



Series	Insulator Colour
307	Green
357	Black

Total Number of Contacts <sup>1</sup>	Contact Rows
006, 007,...044	Single Row
012, 014,...088	Dual Row

Contact Code <sup>2,3,4,5</sup>	Description & Tail Size	Tail Length "G"
<i>Single Row Contacts - Read One Side of Daughter Board</i>		
505	Wire Hole.087 x .013 (2.21 x 0.33)	.282 (7.16)
525	P.C. Tail .046 x .013 (1.17 x 0.33)	.213 (5.41)
527	P.C. Tail .046 x .013 (1.17 x 0.33)	.358 (9.09)
531	P.C. Tail .023 x .013 (0.58 x 0.33)	.213 (5.41)
545	Wire Wrap.046 x .013 (1.17 x 0.33)	.708(17.98)
547	Wire Wrap.046 x .013 (1.17 x 0.33)	.520(13.21)
558	90 Degree Bend (Code 545 Contacts)	
559	90 Degree Bend (Code 527 Contacts)	
<i>Single Row Contacts - Read Both Sides of Daughter Board</i>		
501	Wire Hole.089 x .014 (2.29 x 0.36)	.213 (5.41)
521	P.C. Tail .046 x .014 (1.17 x 0.36)	.213 (5.41)
541	Wire Wrap.046 x .014 (1.17 x 0.36)	.495(12.57)
553	90 Degree Bend (Code 521 Contacts)	
554	90 Degree Bend (Code 501 Contacts)	
557	90 Degree Bend (Code 541 Contacts)	
<i>Dual Row Contacts - Read Both Sides of Daughter Board</i>		
500	Wire Hole.087 x .013 (2.21 x 0.33)	.282 (7.16)
520	P.C. Tail .046 x .013 (1.17 x 0.33)	.213 (5.41)
522	P.C. Tail .046 x .013 (1.17 x 0.33)	.358 (9.09)
524	P.C. Tail .023 x .013 (0.58 x 0.33)	.213 (5.41)
540	Wire Wrap.046 x .013 (1.17 x 0.33)	.708(17.98)
542	Wire Wrap.046 x .013 (1.17 x 0.33)	.520(13.21)
555	Extender Board Bend (Code 500 Contacts)	
556	Extender Board Bend (Code 520 Contacts)	
558	90 Degree Bend (Code 522 and 540 Contacts)	
559	90 Degree Bend (Code 522 and 540 Contacts)	
560	Extender Board Bend (Code 522 Contacts)	

Contact Rows	Description
1	Single Row
2	Dual Row

Mounting Options <sup>6</sup>	Description
01	No Mounting Lugs
02	.128 (3.25) Dia. Mounting Holes
03	.116 (2.95) I.D. Floating Eyelets
04	.156 (3.96) Dia. Mounting Holes
07	M3-0.5 Metric Threaded Inserts
08	#4-40 Unified Threaded Inserts
12	.128 (3.25) Dia. Side Mounting Holes
58	.468 (11.89) Offset Card Guides
68	.344 (8.74) Offset Card Guides
78	In-Line Card Guides