



## SERIES 322



### FEATURES

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 .437 (12.01)

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 & 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 (.28 N) Minimum per Contact Pair when Tested with a .054 (1.37) Thick Gauge

### Ordering Code Notes

- All connector sizes up to 44 contacts single row / 88 contacts dual row are available upon request
- For contacts with overall tin plating, change the first digit of the contact code from 5 to 4
- Single row contacts that read both sides of the daughter board are phosphor bronze CA-510 material with entire surface plated gold over nickel

### Example Part Number 322 - 044 - 500 - 2 58

Series \_\_\_\_\_  
 Total Number of Contacts \_\_\_\_\_  
 Contact Code \_\_\_\_\_  
 Contact Rows \_\_\_\_\_  
 Mounting Options \_\_\_\_\_

### Series

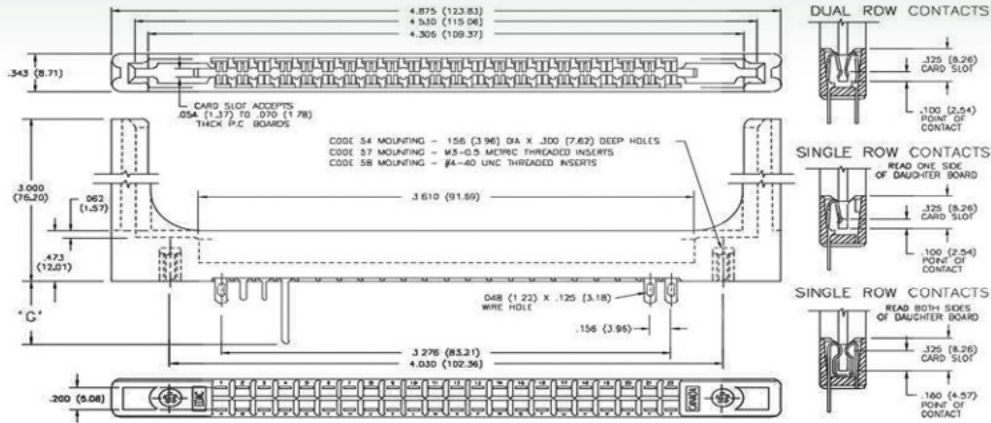
307

Total Number of Contacts	Contact Rows
022	Single Row
044	Dual Row

Contact Code	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)	

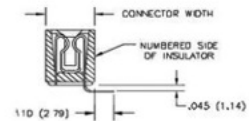
Contact Rows and Insulator Material	Description
1	Single Row, Grey Polycarbonate
2	Dual Row, Grey Polycarbonate

Mounting Options	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



### CONTACT CODE 553 - 90 DEGREE BEND

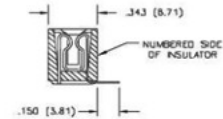
- Applicable for 307, 322 and 357 Series
- For 307 and 357 Series with .500 (12.70) Connector Width, Longer Contacts are Used and Cut to Length Indicated



CONTACT CODE 553

### CONTACT CODE 554 - 90 DEGREE BEND

- Applicable for 307, 322 and 357 Series
- This Bend is Not Recommended for 307 and 357 Series with .500 (12.70) Connector Width

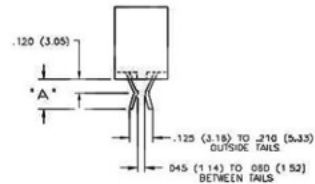


CONTACT CODE 554  
BEND USES WIRE HOLE CONTACTS

### CONTACT CODE 555 - EXTENDER BOARD BEND

Applicable Series	"A"
305, 307, 310, 315, 322, 355, 357	.265 (6.73)
333, 337, 340, 345, 346, 379, 387, 395, 395-AT, 396	.245 (6.22)
341, 391	.205 (5.21)
342, 392	.255 (6.48)

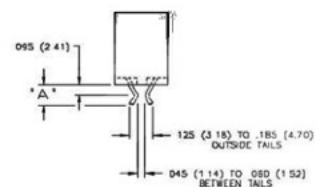
- For Contact Bend to Accept .125 (3.18) Thick Extender Board, Specify Contact Code 552



CONTACT CODE 555  
BEND USES WIRE HOLE CONTACTS

### CONTACT CODE 556 - EXTENDER BOARD BEND

Applicable Series	"A"
305, 307, 310, 315, 322, 355, 357	.195 (4.95)
333, 337, 340, 345, 346, 379, 387, 395, 395-AT, 396	.170 (4.32)
341, 391	.235 (5.97)
342, 392	.180 (4.57)



CONTACT CODE 556