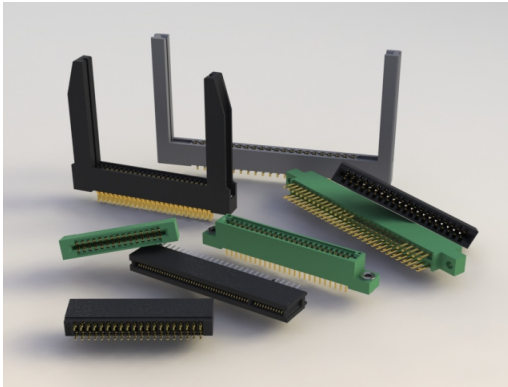




## 345/395 SERIES

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, .600" (15.24mm)
- Contact Termination Options include P.C. Tail, Wire Wrap, 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 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: **345-050-520-202**

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

### Series:

345  
395

### Insulator Color

Thermoplastic Polyester, Green  
Thermoplastic Polyester, Black

### Total Number of Contacts:

005, 006, . . . 072  
010, 012, . . . 144

### Contact Rows

Single Row  
Dual Row

### Contact Rows & Insulator Style

### Description

|   |                                     |
|---|-------------------------------------|
| 1 | Single Row, Flush Mounting Lugs     |
| 2 | Dual Row, Flush Mounting Lugs       |
| 4 | Single Row, .110 (2.79) Offset Lugs |
| 5 | Dual Row, .110 (2.79) Offset Lugs   |
| 6 | Single Row, .170 (4.32) Offset Lugs |
| 8 | Dual Row, .170 (4.32) Offset Lugs   |

### Contact Code

### Description & Tail Size

### Tail Length "G"

|     |                                         |                           |              |
|-----|-----------------------------------------|---------------------------|--------------|
| 500 | Wire Hole                               | .050 x .025 (1.27 x 0.64) | .260 (6.60)  |
| 520 | P.C. Tail                               | .030 x .018 (0.76 x 0.46) | .175 (4.45)  |
| 521 | P.C. Tail                               | .025 Square (0.64 Square) | .150 (3.81)  |
| 523 | P.C. Tail                               | .025 Square (0.64 Square) | .390 (9.91)  |
| 524 | P.C. Tail                               | .018 Square (0.46 Square) | .175 (4.45)  |
| 525 | P.C. Tail                               | .018 Square (0.46 Square) | .150 (3.81)  |
| 540 | Wire Wrap                               | .025 Square (0.64 Square) | .560 (14.22) |
| 541 | Wire Wrap                               | .025 Square (0.64 Square) | .750 (19.05) |
| 542 | Wire Wrap                               | .025 Square (0.64 Square) | .645 (16.38) |
| 544 | Wire Wrap                               | .050 x .025 (1.27 x 0.64) | .750 (19.05) |
| 555 | EXTENDER BOARD BEND (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:

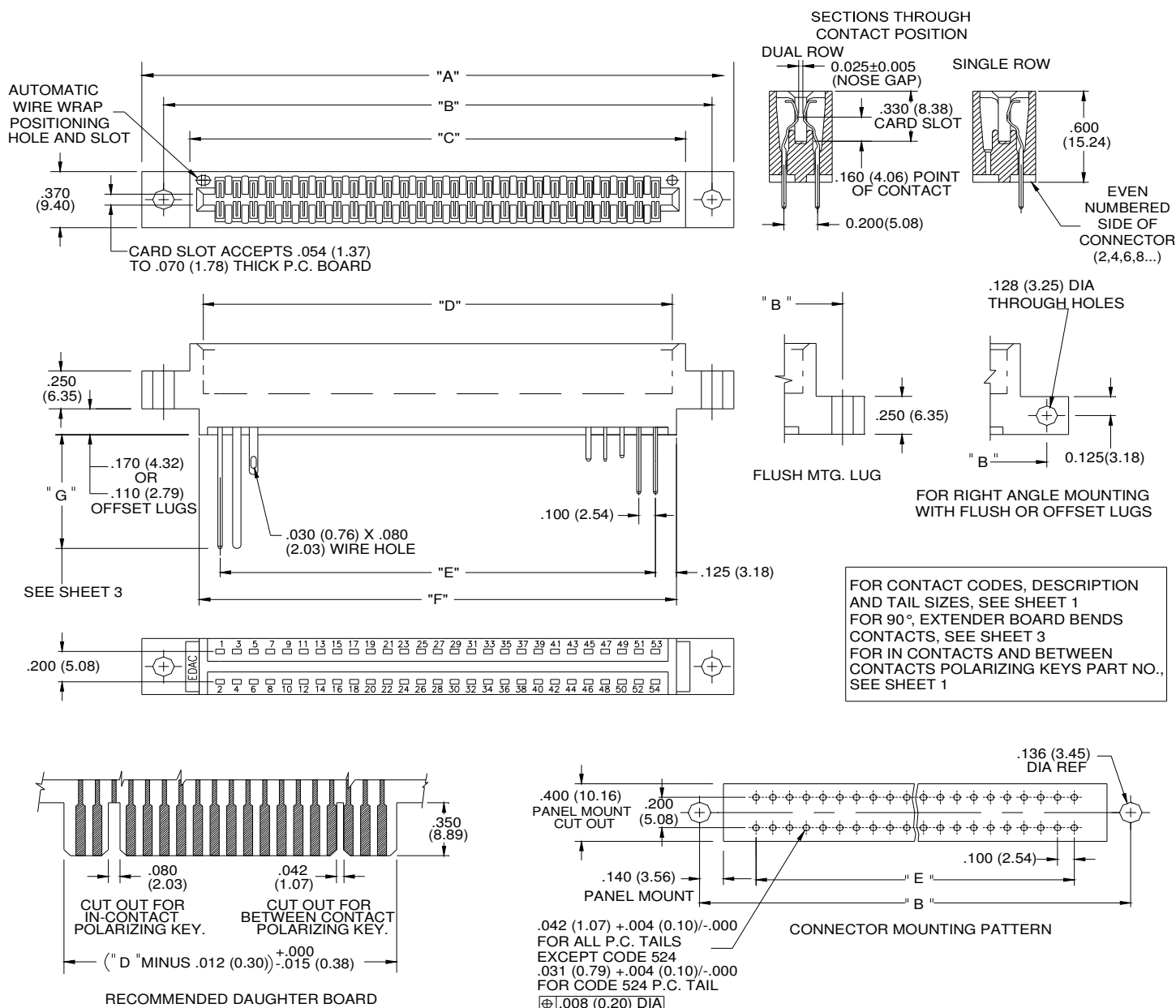
### Description

|    |                                           |
|----|-------------------------------------------|
| 01 | No Mounting Lug                           |
| 02 | Ø.128" (Ø3.25mm) 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      |
| 58 | .468" (11.89mm) Offset Card Guides        |
| 78 | In-Line Card Guides 2.750" (69.85mm) Long |
| 88 | In-Line Card Guides 1.250" (31.75mm) Long |

### Ordering Code Notes:

- 1) All connector sizes up to 72 contacts single row / 144 contacts dual row are available upon request.
- 2) The 500 contact code is only available in the 345 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 lug-less connectors, code 01 mounting, specify contact row code 1 or 2.
- 5) For details of the mounting options refer to next pages.

[www.edac.net](http://www.edac.net)

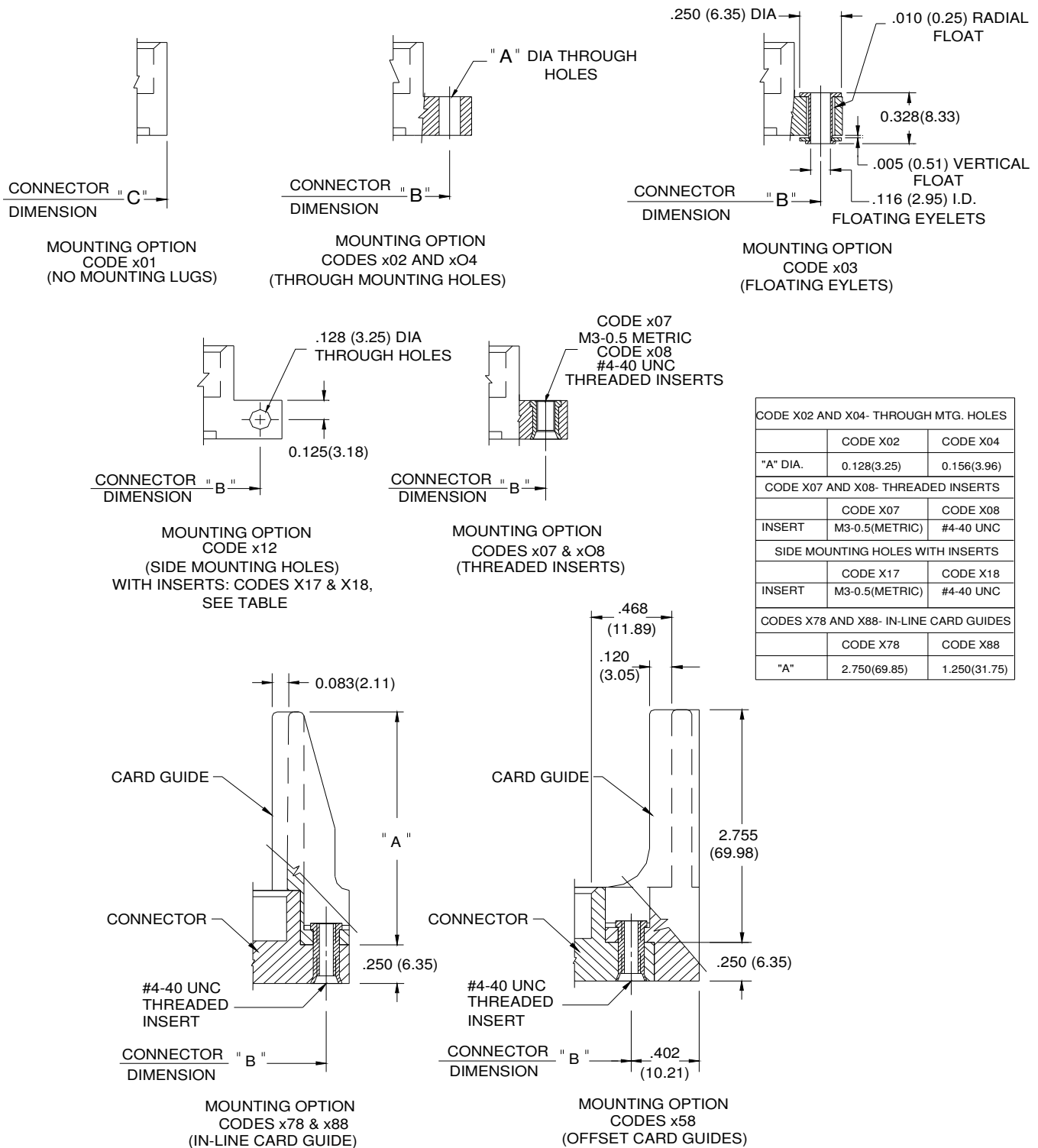


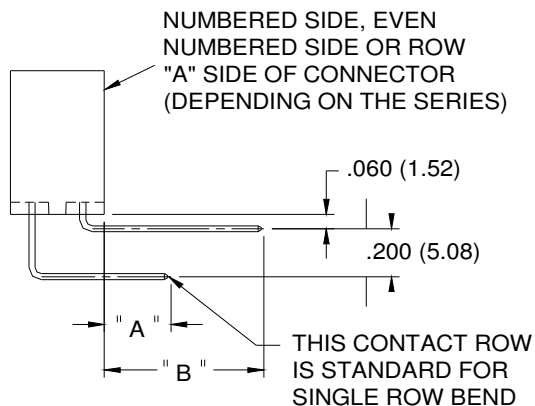
| NUMBER OF CONTACTS |        | "A"   |        | "B"   |        | "C"   |        | "D"   |        | "E"   |        |
|--------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| Single             | Double | Inch  | mm     | Inch  | mm     | Inch  | mm     | Inch  | mm     | Inch  | mm     |
| 5                  | 10     | 1.335 | 33.91  | 1.075 | 27.31  | 0.760 | 19.30  | 0.600 | 15.24  | 0.400 | 10.16  |
| 10                 | 20     | 1.835 | 46.61  | 1.575 | 40.01  | 1.260 | 32.00  | 1.100 | 27.94  | 0.900 | 22.86  |
| 13                 | 26     | 2.135 | 54.23  | 1.875 | 47.63  | 1.560 | 39.62  | 1.400 | 35.56  | 1.200 | 30.48  |
| 15                 | 30     | 2.335 | 59.31  | 2.075 | 52.71  | 1.760 | 44.70  | 1.600 | 40.64  | 1.400 | 35.56  |
| 18                 | 36     | 2.635 | 66.93  | 2.375 | 60.33  | 2.060 | 52.32  | 1.900 | 48.26  | 1.700 | 43.18  |
| 22                 | 44     | 3.035 | 77.09  | 2.775 | 70.49  | 2.460 | 62.48  | 2.300 | 58.42  | 2.100 | 53.34  |
| 31                 | 62     | 3.335 | 84.71  | 3.075 | 78.11  | 2.760 | 70.10  | 2.600 | 66.04  | 2.400 | 60.96  |
| 30                 | 60     | 3.835 | 97.41  | 3.575 | 90.81  | 3.260 | 82.80  | 3.100 | 78.74  | 2.900 | 73.66  |
| 35                 | 70     | 3.935 | 99.95  | 3.675 | 93.35  | 3.360 | 85.34  | 3.200 | 81.28  | 3.000 | 76.20  |
| 36                 | 72     | 4.435 | 112.65 | 4.175 | 106.05 | 3.860 | 98.04  | 3.700 | 93.98  | 3.500 | 88.90  |
| 43                 | 86     | 5.135 | 130.43 | 4.875 | 123.83 | 4.560 | 115.82 | 4.400 | 111.76 | 4.200 | 106.68 |
| 50                 | 100    | 5.835 | 148.21 | 5.575 | 141.61 | 5.260 | 133.60 | 5.100 | 129.54 | 4.900 | 124.46 |
| 60                 | 120    | 6.835 | 173.61 | 6.575 | 167.01 | 6.260 | 159.00 | 6.100 | 154.94 | 5.900 | 149.86 |
| 72                 | 144    | 8.035 | 204.09 | 7.775 | 197.49 | 7.460 | 189.48 | 7.300 | 185.42 | 7.100 | 180.34 |



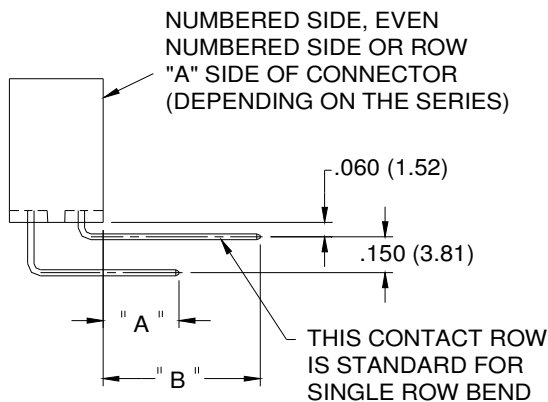
# 345/395 SERIES

Card Edge Connector 0.100" (2.54mm) Pitch

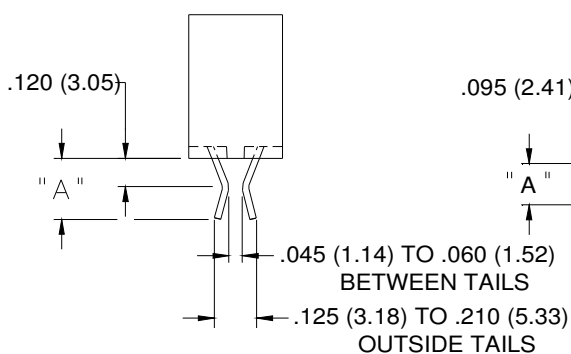




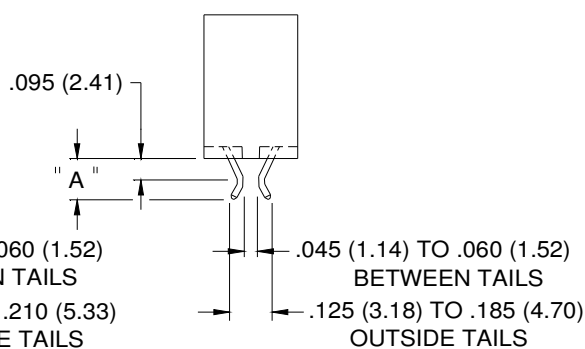
CONTACT CODE 558



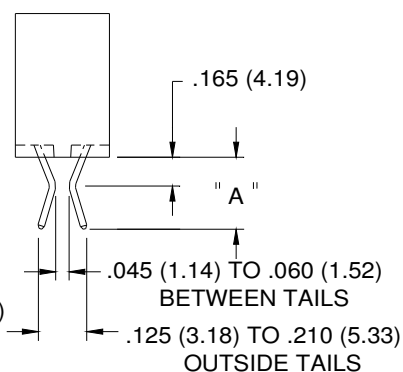
CONTACT CODE 559



CONTACT CODE 555 BEND USES WIRE HOLE CONTACTS



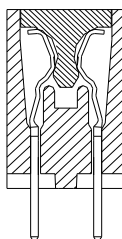
CONTACT CODE 556



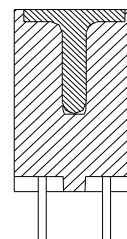
CONTACT CODE 560

| 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



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Authorized Distributor

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