



### FEATURES

- 0.156" (3.96mm) Contact Spacing by 0.200" (5.08mm) Row Spacing
- Accepts .062" (1.57mm) Nominal Thickness P.C. Board
- High Profile Insulator Body, .600" (15.24mm)
- Card Slot Depth of .330" (8.38mm)
- Contact Termination Options include P.C. Tail, Wire Hole, Wire Wrap, 90° 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
- 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 Ampere                                                                               |
| Contact Resistance           | 10milliohms maximum                                                                    |
| Dielectric Withstand Voltage | 1800 VAC rms at sea level between adjacent contacts                                    |
| Insulation Resistance        | 5000 Megohms minimum                                                                   |
| Operating Temperature        | 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       |



| Series | Insulator Color |
|--------|-----------------|
| 337    | Green           |
| 387    | Black           |

### Contact Rows and Insulator Style

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

### Total Number of Contacts:

006, 007, . . . 043  
012, 014, . . . 086

### Contact Rows

Single Row  
Dual Row

### Mounting Options

|    |                                        |
|----|----------------------------------------|
| 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     |
| 68 | .344" (8.74mm) Offset Card Guides      |
| 78 | In-Line Card Guides                    |

| 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)     |
| 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) |                 |

### Ordering Code Notes:

- 1) All connector sizes up to 43 contacts single row / 086 contacts dual row are available upon request.
- 2) The 500 contact code is only available in the 337 series. Green polyphenylene sulphide insulator material will be supplied.
- 3) For details of the extender board and 90 degree bends refer to our website.
- 4) For lugless connectors, code 01 mounting, specify contact row code 1 or 2.
- 5) In-line card guides are only with offset mounting lugs.
- 6) For details of the mounting options refer to next pages.



SECTIONS THROUGH CONTACT POSITION



SINGLE ROW



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



DUAL ROW

BETWEEN CONTACT POLARIZING KEY  
P/N 306-240-318



CONNECTOR MOUNTING PATTERN



RECOMMENDED DAUGHTER BOARD

| NUMBER OF CONTACTS |        | "A"   |        | "B"   |        | "C"   |        | "D"   |        | "E"   |        |
|--------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| Single             | Double | Inch  | mm     | Inch  | mm     | Inch  | mm     | Inch  | mm     | Inch  | mm     |
| 6                  | 12     | 1.842 | 46.79  | 1.532 | 38.91  | 1.246 | 31.65  | 1.100 | 27.94  | 0.780 | 19.81  |
| 10                 | 20     | 2.466 | 62.64  | 2.156 | 54.76  | 1.870 | 47.50  | 1.724 | 43.79  | 1.404 | 35.66  |
| 12                 | 24     | 2.778 | 70.56  | 2.468 | 62.69  | 2.182 | 55.42  | 2.036 | 51.71  | 1.716 | 43.59  |
| 15                 | 30     | 3.246 | 82.45  | 2.936 | 74.57  | 2.650 | 67.31  | 2.504 | 63.60  | 2.184 | 55.47  |
| 18                 | 36     | 3.714 | 94.34  | 3.404 | 86.46  | 3.118 | 79.20  | 2.972 | 75.49  | 2.652 | 67.36  |
| 22                 | 44     | 4.338 | 110.19 | 4.028 | 102.31 | 3.742 | 95.05  | 3.596 | 91.34  | 3.276 | 83.21  |
| 25                 | 50     | 4.806 | 122.07 | 4.496 | 114.20 | 4.210 | 106.93 | 4.064 | 103.23 | 3.744 | 95.10  |
| 26                 | 52     | 4.962 | 126.03 | 4.652 | 118.16 | 4.366 | 110.90 | 4.220 | 107.19 | 3.900 | 99.06  |
| 28                 | 56     | 5.278 | 134.06 | 4.964 | 126.09 | 4.678 | 118.82 | 4.532 | 115.11 | 4.212 | 106.98 |
| 31                 | 62     | 5.742 | 145.85 | 5.432 | 137.97 | 5.146 | 130.71 | 5.000 | 127.00 | 4.680 | 118.87 |
| 33                 | 66     | 6.054 | 153.77 | 5.744 | 145.90 | 5.458 | 138.63 | 5.312 | 134.92 | 4.992 | 126.80 |
| 36                 | 72     | 6.522 | 165.66 | 6.212 | 157.78 | 5.926 | 150.52 | 5.780 | 146.81 | 5.460 | 138.68 |
| 43                 | 86     | 7.614 | 193.40 | 7.304 | 185.52 | 7.018 | 178.26 | 6.872 | 174.55 | 6.552 | 166.42 |



| 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   |



| CODES X58 & X68- OFFSET CARD GUIDES |              |              |
|-------------------------------------|--------------|--------------|
|                                     | CODE X58     | CODE X68     |
| "A"                                 | 0.468(11.89) | 0.344(8.74)  |
| "B"                                 | 2.755(69.98) | 2.505(63.63) |
| "C"                                 | 0.125(3.05)  | 0.060(1.52)  |



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 306-240-318





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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