



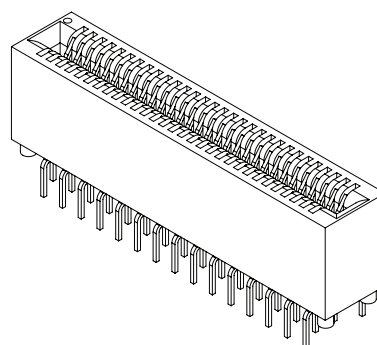
# High Density Card Edge

# SULLINS

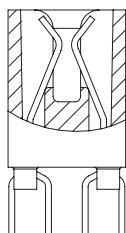
**.050" [1.27 mm] Contact Centers, .488" [12.40 mm] Insulator Height, Ultra Thin, Dip Solder/Card Extender/SMT**

## SPECIFICATIONS

- Accommodates .062"  $\pm$  .008" [1.57 mm  $\pm$  0.20 mm] PC board
- PPS or PA9T insulator
- Contact Material: Phosphor Bronze, Beryllium Copper or Spinodal
- Molded-in key available
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0
- Operating Temperature: -65°C up to +200°C

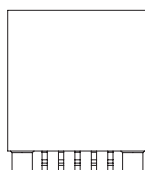


## READOUT

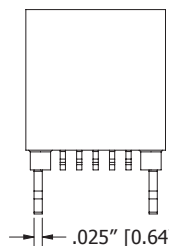


**DUAL (D)**

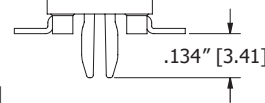
## MOUNTING STYLE



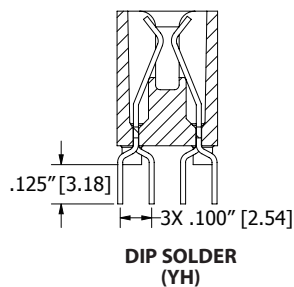
**NO MOUNTING EARS  
(N)**



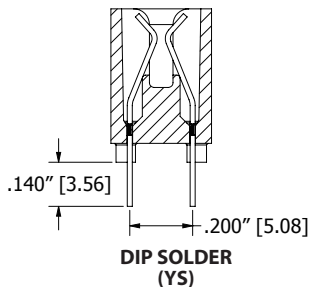
**METAL BOARD LOCK  
(with no mounting ears)  
(R)**



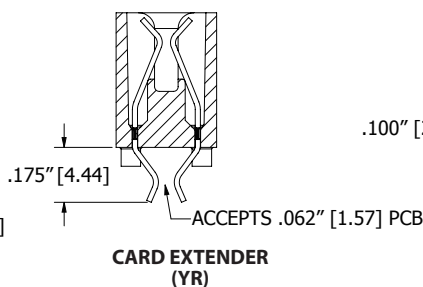
## TERMINATION TYPE



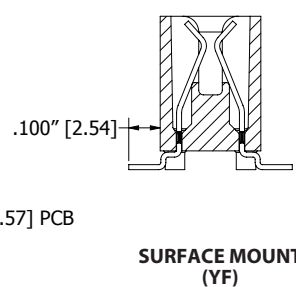
**DIP SOLDER  
(YH)**



**DIP SOLDER  
(YS)**

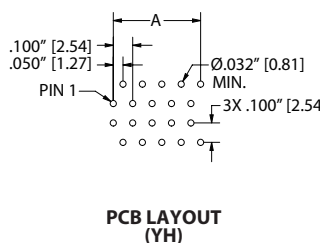


**CARD EXTENDER  
(YR)**

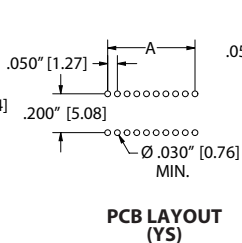


**SURFACE MOUNT  
(YF)**

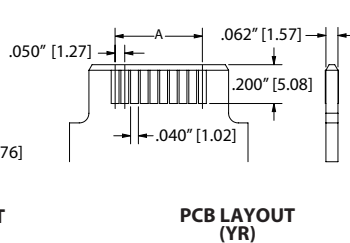
## PCB LAYOUT



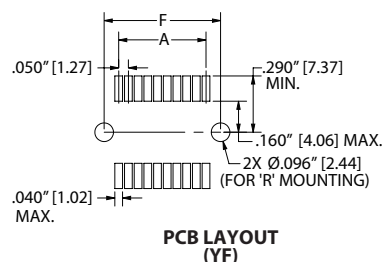
**PCB LAYOUT  
(YH)**



**PCB LAYOUT  
(YS)**



**PCB LAYOUT  
(YR)**



**PCB LAYOUT  
(YF)**



### PART NUMBER OPTIONS

#### MATERIALS (INSULATOR/CONTACT)

R = PPS/Phosphor Bronze  
G = PA9T/Phosphor Bronze  
A = PPS/Beryllium Copper  
J = PA9T/Beryllium Copper  
F = PPS/Spinodal\*\*  
Refer to Page 7 for Operating/Processing Temperatures

#### CONTACT FINISH - RoHS Compliant

All platings are Lead Free and have .000050" Nickel underplate

| Contact Surface   | Termination              |
|-------------------|--------------------------|
| B = .000010" Gold | .000100" Pure Tin, Matte |
| C = .000030" Gold | .000100" Pure Tin, Matte |
| M = .000030" Gold | .000010" Gold Overall    |

#### CONTACT CENTERS

B = .050" [1.27 mm]

#### NUMBER OF CONTACT POSITIONS

See Chart Below

G C B 20 D YH N - S1355

#### MODIFICATION CODE (Consult Factory)

S1355 = for YH Termination Only  
S1675 = for YS, YR & YF Terminations

#### MOUNTING STYLE

N = No Mounting  
R = Metal Board Locks  
(for YF Termination Only)

#### TERMINATION TYPE (See Opposite Page)

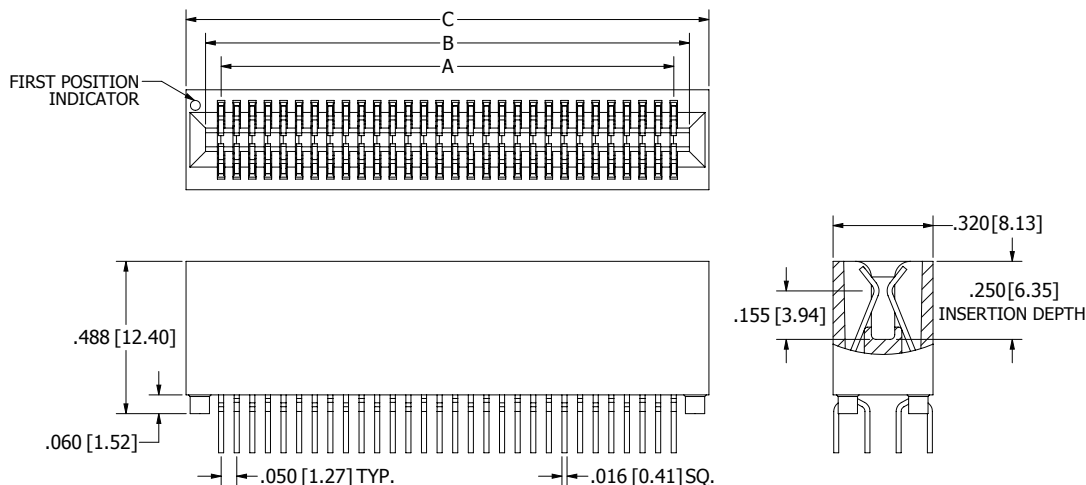
YH = Dip Solder, Alternate Bent In & Out  
YS = Dip Solder  
YR = Card Extender  
YF = Surface Mount

#### READOUT

D = Dual

**\*\*Consult factory for special soldering guidelines. 'M' plating only.**

### DIMENSIONS Dimensions in [ ] are in millimeters, all others are in inches.



| POSITIONS/<br>CONTACTS | INCHES |        |        |        | MILLIMETERS |        |        |        |
|------------------------|--------|--------|--------|--------|-------------|--------|--------|--------|
|                        | A±.005 | B±.005 | C±.015 | F±.010 | A±0.13      | B±0.13 | C±0.38 | F±0.25 |
| 5/10                   | 0.200  | 0.300  | 0.425  | 0.350  | 5.08        | 7.62   | 10.80  | 8.89   |
| 6/12*                  | 0.250  | 0.350  | 0.475  | 0.400  | 6.35        | 8.89   | 12.07  | 10.16  |
| 10/20*                 | 0.450  | 0.550  | 0.675  | 0.600  | 11.43       | 13.97  | 17.15  | 15.24  |
| 15/30                  | 0.700  | 0.800  | 0.925  | 0.850  | 17.78       | 20.32  | 23.50  | 21.59  |
| 20/40                  | 0.950  | 1.050  | 1.175  | 1.100  | 24.13       | 26.67  | 29.85  | 27.94  |
| 25/50*                 | 1.200  | 1.300  | 1.425  | 1.350  | 30.48       | 33.02  | 36.20  | 34.29  |
| 30/60                  | 1.450  | 1.550  | 1.675  | 1.600  | 36.83       | 39.37  | 42.55  | 40.64  |
| 40/80                  | 1.950  | 2.050  | 2.175  | 2.100  | 49.53       | 52.07  | 55.25  | 53.34  |
| 50/100                 | 2.450  | 2.550  | 2.675  | 2.600  | 62.23       | 64.77  | 67.95  | 66.04  |
| 79/158                 | 3.900  | 4.000  | 4.125  | 4.050  | 99.06       | 101.60 | 104.78 | 102.87 |

\* Consult factory for availability.