

# Low Profile Box Header

## Series 8380



Low profile box headers are available in industry standard sizes of 10-64 positions. They mate to AVX Series 8290 IDC sockets, as well as other industry compatible connectors. Both straight and right angle solder dip pins for PC boards are available together with straight press-fit versions. The connector is shrouded on all four sides for polarization and contact protection. Polarizing keys are molded in for correct socket alignment with contact loss.



### TECHNICAL SPECIFICATION

**Material:**

Molding - UL94VO rated glass filled grey polyester

Contact - Brass

**Contact Plating:**

Selective gold over nickel plating on the mating face, pure tin on IDC section

**Current Rating:**

1 ampere at 70°C maximum ambient

**Voltage Rating:**

350V DC or AC peak

**Contact Resistance:**

Initially 10 milliohms maximum

**Dielectric Withstanding Voltage:**

>1050 DC or AC peak

**Insulation Resistance:**

>1000 megohms

**Operating Temperature:**

-55°C to +105°C

**UL File No.** E90723

**CSA File No.** 1255749

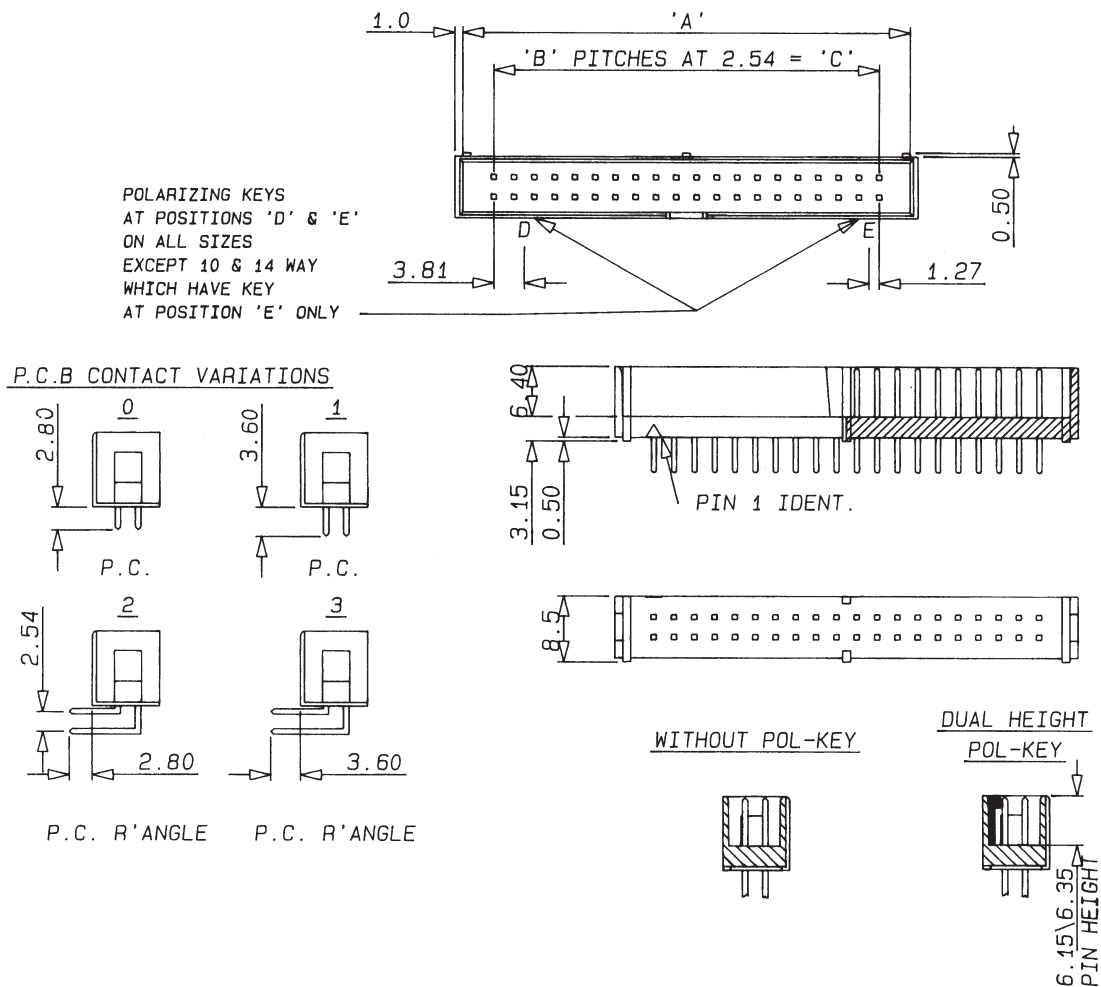
### ORDERING CODE

| 00                               | 8380          | 050                                                                                                                                                                                                            | 000                                                                                                                                                                                                                                                                                                                                                                                        | 01                                                              | X                                                                                       |
|----------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Connector Code Prefix            | Series Number | Number of Contacts                                                                                                                                                                                             | Contact Variation                                                                                                                                                                                                                                                                                                                                                                          | Plating Variation                                               | Polarization                                                                            |
| 00 = Standard Connector Assembly |               | 010 = 10 position<br>014 = 14 position<br>016 = 16 position<br>020 = 20 position<br>026 = 26 position<br>034 = 34 position<br>040 = 40 position<br>050 = 50 position<br>060 = 60 position<br>064 = 64 position | 000 = Solder Tail Straight Contact for 1.6mm PCB - Contact Length (2.8mm)<br>001 = Solder Tail Straight Contact for 2.4mm PCB - Contact Length (3.6mm)<br>002 = Solder Tail Right Angle Contact for 1.6mm PCB - Contact Length (2.8mm)<br>003 = Solder Tail Right Angle Contact for 2.6mm PCB - Contact Length (3.6mm)<br>009 = Press-Fit Contact for 2.4/3.2 PCB - Contact Length (4.5mm) | 01 = 30μ" Gold over Nickel solder<br>04 = 10μ" Gold over Nickel | 0 = No Polarizing Keys Standard<br>2 = Type B - Dual Height molded in polarizing key(s) |

NB: Additional plating and tail lengths are available. Consult sales office for availability.

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### DIMENSIONS: millimeters (inches)

| No. of Contacts | A             | B  | C            |
|-----------------|---------------|----|--------------|
| 10              | 17.90 (0.705) | 4  | 10.16 (0.40) |
| 14              | 22.98 (0.905) | 6  | 15.24 (0.60) |
| 16              | 25.52 (1.00)  | 7  | 17.78 (0.70) |
| 20              | 30.60 (1.20)  | 9  | 22.86 (0.90) |
| 26              | 38.22 (1.50)  | 12 | 30.48 (1.20) |
| 34              | 48.38 (1.90)  | 16 | 40.64 (1.60) |
| 40              | 56.00 (2.20)  | 19 | 48.26 (1.90) |
| 50              | 68.70 (2.70)  | 24 | 60.96 (2.40) |
| 60              | 81.40 (3.20)  | 29 | 73.66 (2.90) |
| 64              | 86.48 (3.20)  | 31 | 78.74 (3.10) |

### BOARD HOLE DETAILS VIEWED FROM PIN SIDE

