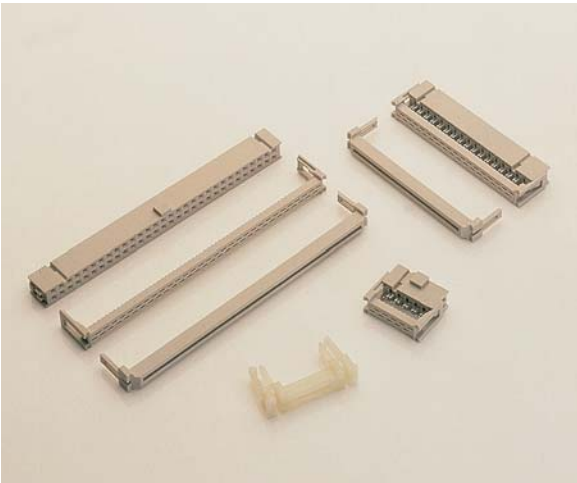


Low Profile IDC Socket Connector



Series 8290

Available in industry standard sizes of 10-64 positions. They mate to AVX Series 8289, 8293, 8380 and 8383 headers, as well as other industry compatible connectors. An optional strain relief, which can be easily fitted, eliminates stress on the cable. Contacts are copper alloy for added reliability, and are designed to mate to 0.024" (0.60mm) to 0.025" (0.64mm) square pins. The contact design facilitates maximum wipe on the header pins. (early mate, late break).



TECHNICAL SPECIFICATION

Material:

Molding - UL94VO rated glass filled grey polyester

Contact - Phosphor bronze

Contact Plating:

Contacts are selective gold-plated over nickel, pure tin in IDC section

Current Rating:

1 ampere at 70°C maximum ambient

Voltage Rating:

350V DC or AC peak

Dielectric Withstanding Voltage:

1050V DC or AC peak

Insulation Resistance:

>1000 megohms

Contact Resistance:

Initially, 10 milliohms maximum

Operating Temperature:

-55°C to +105°C

Wire Gauge:

26 AWG Solid & Stranded

28 AWG Solid & Stranded

ORDERING CODE

00
Connector Code
Prefix

8290
Series Number

010
Number of
Circuits
010 = 10 position
014 = 14 position
016 = 16 position
020 = 20 position
026 = 26 position
034 = 34 position
040 = 40 position
044 = 44 position*
050 = 50 position
060 = 60 position
064 = 64 position

000
Strain Relief
000 = Without strain
relief (feed thru)
Standard
001 = With strain relief
(feed thru)
Standard
006 = With latching
strain relief
(feed thru)
see series 8380
page 13

01
Plating
01 = 30µ Gold over
Nickel
04 = 10µ Gold over
Nickel

1
Polarization
1 = With central
polarizing boss
2 = Without central
polarizing boss

*44 position connector is only available without strain relief - consult sales office for availability.



Technical drawing of a 15-pin D-sub connector showing front, side, and detail views with dimensions.

Front View Dimensions:

- 14.20 PRE-LATCHED HEIGHT
- 10.62 LATCHED HEIGHT
- 2.10 MAX
- 2.50 REF
- 14.20 CLIP HEIGHT
- 15.80 LATCHED HEIGHT
- 3.56
- 3.27 MAX
- 6.30 MAX TRIST
- 6.12 TRIST

Side View Dimensions:

- 1.20
- 6.05
- 2.54
- 2.54

Labels:

- LOC SLOT CLOSE UP 0.12 MIN
- LOC PIN 1
- A
- B

No. of Contacts	A	B
10	17.22 (0.68)	10.16 (0.40)
14	22.30 (0.88)	15.24 (0.60)
16	24.84 (0.98)	17.78 (0.70)
20	29.92 (1.18)	22.86 (0.90)
26	37.54 (1.48)	30.48 (1.20)
34	47.70 (1.88)	40.64 (1.60)
40	55.32 (2.18)	48.26 (1.90)
44	60.40 (2.38)	53.34 (2.10)
50	68.02 (2.68)	60.69 (2.39)
60	80.72 (3.18)	73.66 (2.90)
64	85.80 (3.38)	78.74 (3.10)

The diagram shows two components: the 8290 socket and the 8380 boxed header. The 8290 socket is a rectangular component with a central slot and two side slots. The 8380 boxed header is a larger rectangular component with a central slot and two side slots. The 8290 socket is shown inserted into the 8380 boxed header. Labels with arrows point to each component: "8290 SOCKET" for the top component and "8380 BOXED HEADER" for the bottom component.

10 position	60 8290 6610 00 000
14 position	60 8290 6614 00 000
16 position	60 8290 6616 00 000
20 position	60 8290 6620 00 000
26 position	60 8290 6626 00 000
34 position	60 8290 6634 00 000
40 position	60 8290 6640 00 000
50 position	60 8290 6650 00 000
60 position	60 8290 6660 00 000
64 position	60 8290 6664 00 000

8290 SOCKET

8380 BOXED HEADER

10 position	60 8290 68 10 000 00
14 position	60 8290 68 14 000 00
16 position	60 8290 68 16 000 00
20 position	60 8290 68 20 000 00
26 position	60 8290 68 26 000 00
34 position	60 8290 68 34 000 00
40 position	60 8290 68 40 000 00
50 position	60 8290 68 50 000 00
60 position	60 8290 68 60 000 00
64 position	60 8290 68 64 000 00

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