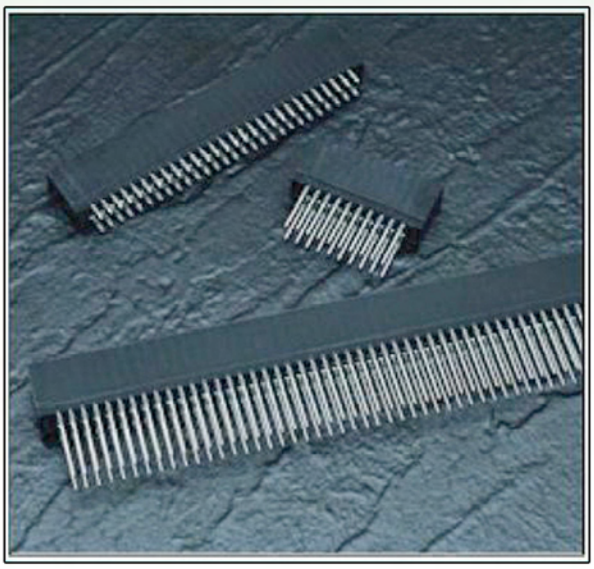
SERIES 746



SPECIFICATIONS

Insulator Material: Thermoplastic Polyester, UL 94V-0
Colour: Black

Contact Material: Copper, Nickel, Tin Alloy, Phosphor Bronze

Contact Plating: 30 Microinches (0.76 Microns) Gold on the Mating Area, Tin on the Compliant Section and Contact Tails, Nickel Underplate. Other plating Options Available upon Request

Current Rating: 3 Amperes Continuous

Dielectric Withstanding Voltage: 1500 V AC rms at Sea Level Between Adjacent Contacts

Insulation Resistance: 5000 Megohms Minimum

Operating Temperature: -65 to +105 Degrees C

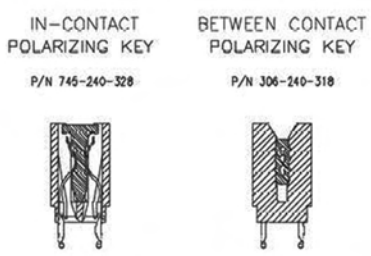
Daughter Board Insertion Force: 16oz (4.45 N) Maximum per Contact Pair when Tested with a .070 (1.78) Thick Gauge

Daughter Board Withdrawl Force: 1 oz (0.28 N) Minimum per Contact Pair when tested with a .054 (1.37) Thick Gauge

Contact Insertion Into Hole: 20 lbs (89 N) Maximum

Contact Retention in Hole: 10 lbs (44 N) Minimum

Re-Insertability of Hole: 3 Times Minimum



Example Part Number 746 - 070 - 525 - 6 01

Series
Total Number of Contacts
Contact Code
Contact Rows & Card Slot Depth
Insulator Options

Series 746

Total Number of Contacts	Contact Rows
005, 006, ..., 060	Single Row
010, 012, ..., 120	Dual Row

Contact Code		Description & Contact Point	Tail Length "G"
520	P.C. Tail	Regular Point	.175 (4.45)
525	P.C. Tail	High Point	.175 (4.45)
527	P.C. Tail	High Point	.375 (9.53)
540	Wire Wrap	Regular Point	.560(14.22)
541	Wire Wrap	Regular Point	.750(19.05)
545	Wire Wrap	High Point	.560(14.22)
553	Wire Wrap	Medium Point	.702(17.83)

Contact Rows & Card Slot Depth	Description
1	Single Row, .515 (13.08) Slot Depth
2	Dual Row, .515 (13.08) Slot Depth
5	Single Row, .340 (8.64) Slot Depth
6	Dual Row, .340 (8.64) Slot Depth

Insulator Options	Description
01	.645 (16.38) Full Height Ends
06	.550 (13.97) Notched Ends

Ordering Code Notes

1) All connector sizes up to 60 contacts single row / 120 contacts dual row are available upon request

2) Make-before-break switching contacts, assembled in specific contact positions are available upon request

FEATURES

UL Recognized

.125 (3.18) Contact Spacing x .250 (6.35) Row Spacing

Accepts .062 (1.57) Nominal Thickness P.C. Board

High Profile Insulator Body, .645 (16.38) with End Notch Option

Ultra-Mate Compliant Section for Gas-Tight Reliable Connection in Plated Through Holes Eliminates Soldering Operations

Contact Termination Options include P.C. Tail and .025 (0.64) Square Wire Wrap

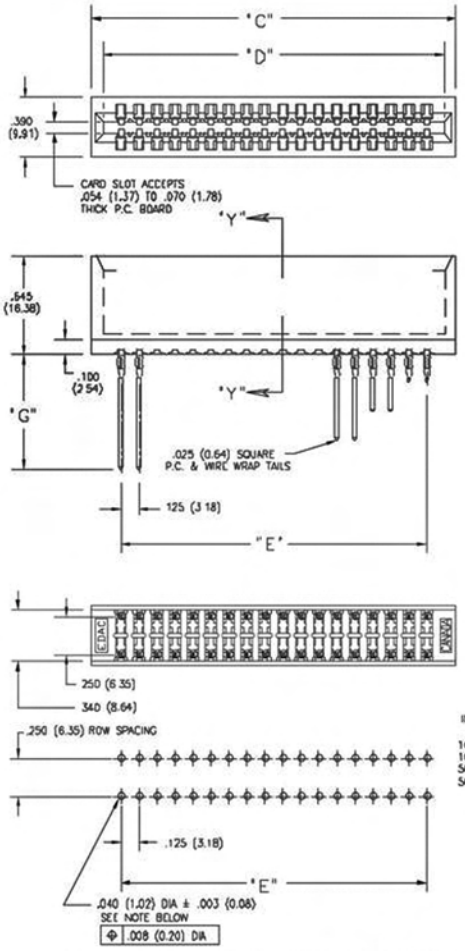
Single or Dual Row Configurations

Accepts Between Contact and In-Contact Polarizing Keys

Tools Available for Insulator and Contact Removal
Simple "Flat Rock" Tooling is Used for Connector Installation

Phone: (416) - 754 - 3322 Fax: (416) - 754 - 3299 Email: CustomerService@edac.net Website: www.edac.net

SERIES 746

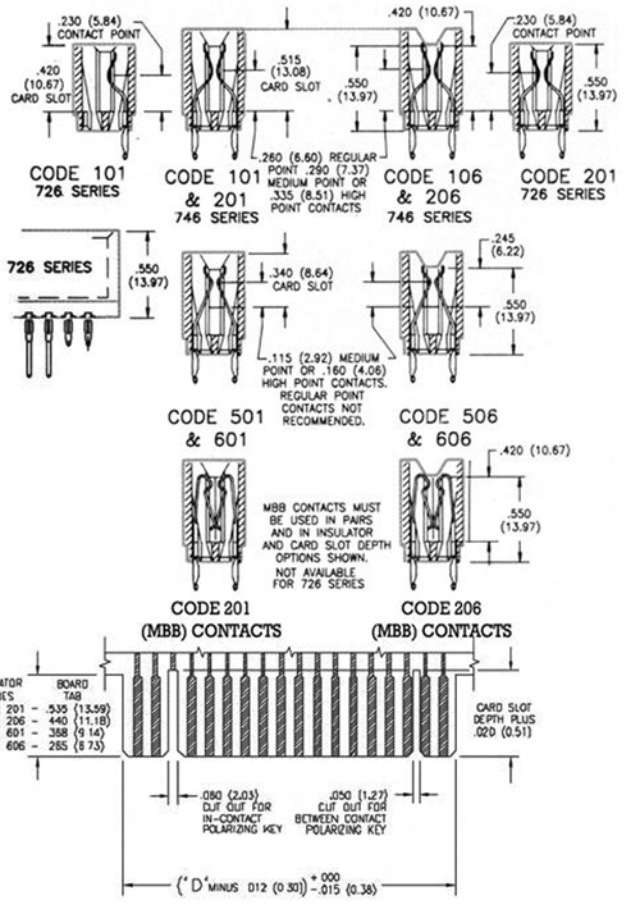


RECOMMENDED MOTHER BOARD HOLE PATTERN

TO OBTAIN OPTIMUM COMPLIANT SECTION PERFORMANCE, DRILL HOLES .0453 ± .001 (1.15 ± 0.03) DIAMETER COPPER PLATE, .001 (25.4 MICRONS) MINIMUM THICKNESS, FOLLOWED BY TIN PLATE TO PROVIDE FINISHED HOLES .040 ± .003 (1.02 ± 0.08) DIAMETER

SECTIONS "Y"–"Y"
CONTACT ROWS & INSULATOR OPTIONS

Single Row Versions May Require Backup Springs Depending on the Application. Consult with EDAC for Details.



RECOMMENDED DAUGHTER BOARD

NUMBER OF CONTACTS		"C"		"D"		"E"	
Single	Dual	Inch	(mm)	Inch	(mm)	Inch	(mm)
5	10	.910	(23.11)	.750	(19.05)	.500	(12.70)
6	12	1.035	(26.29)	.875	(22.23)	.625	(15.88)
15	30	2.160	(54.86)	2.000	(50.80)	1.750	(44.45)
18	36	2.535	(64.39)	2.375	(60.33)	2.125	(53.98)
22	44	3.035	(77.09)	2.875	(73.03)	2.625	(66.68)
25	50	3.410	(86.61)	3.250	(82.55)	3.000	(76.20)
28	56	3.785	(96.14)	3.625	(92.08)	3.375	(85.73)
30	60	4.035	(102.49)	3.875	(98.43)	3.625	(92.08)
35	70	4.660	(118.36)	4.500	(114.30)	4.250	(107.95)
36	72	4.785	(121.54)	4.625	(117.48)	4.375	(111.13)
40	80	5.285	(134.24)	5.125	(130.18)	4.875	(123.83)
43	86	5.660	(143.76)	5.500	(139.70)	5.250	(133.35)
50	100	6.535	(165.99)	6.375	(161.93)	6.125	(155.58)
60	120	7.785	(197.74)	7.625	(193.68)	7.375	(187.33)

Dimensions of Other Connector Sizes are Listed

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