Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

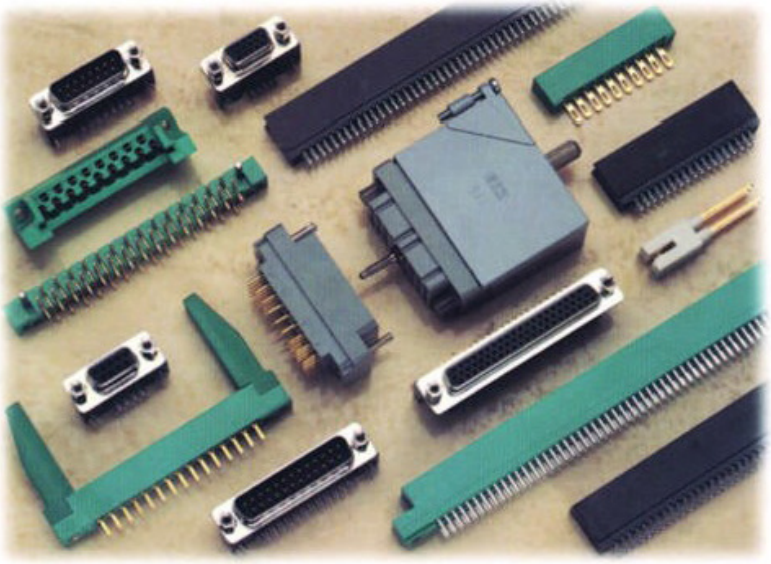
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

EDAC GROUP

A world class manufacturer of high quality electronic connectors with offices in

Canada
United States
England
Taiwan
China



EDAC components are available through a worldwide network of Distributors and Manufacturers Representatives

For the contact name and number of an EDAC representative in your area please refer to our web site at

http://www.edac.net

Our policy is to ship error free parts, on time at competitive price

EDAC

GROUP

NUMERICAL INDEX

TABLE OF CONTENTS

Your Connection to Quality and Service

CONNECTOR APPLICATIONS

Edac connectors are used around the world in a wide variety of applications. The Edac product line includes a broad range of card edge connectors together with rack & panel and metal to metal interconnect systems, application tooling and card guide components.

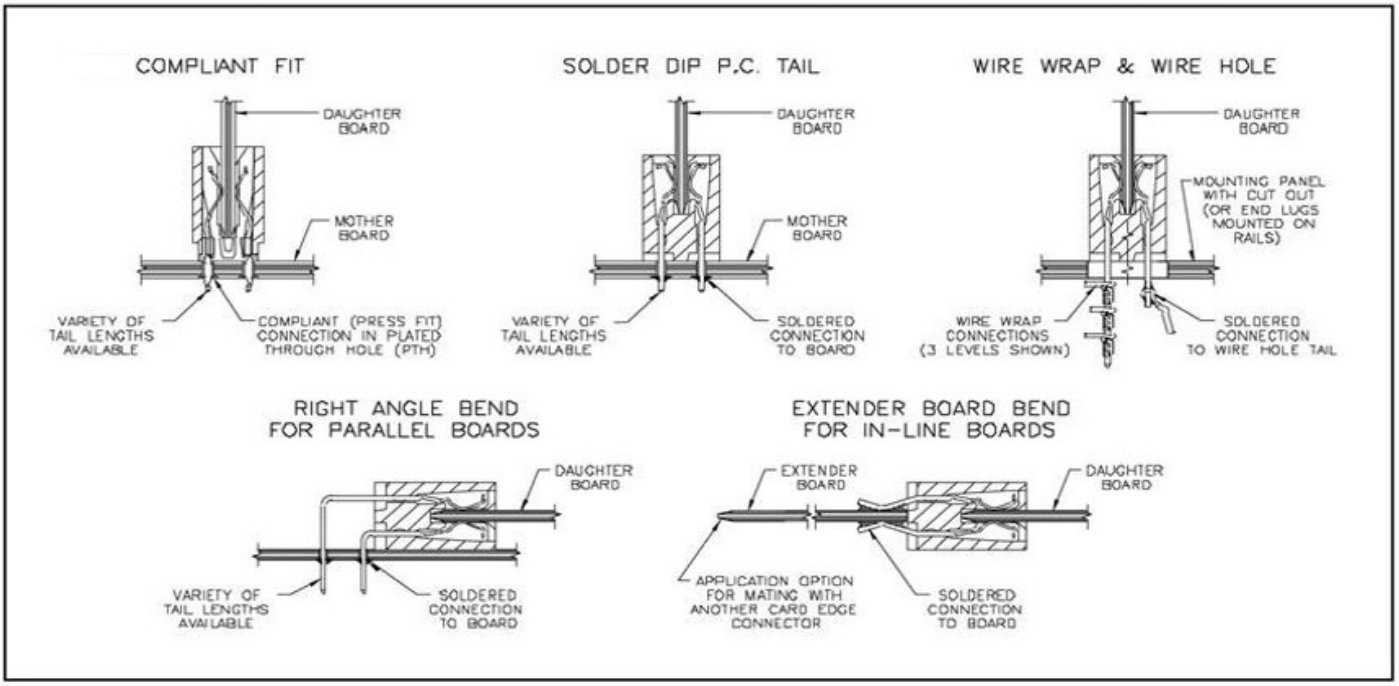
INDUSTRIES SERVICED BY EDAC

Computer (mainframes, personal, terminals and peripheral equipment)
Broadcast & Motion Picture (studio equipment, interconnect cabling)
Consumer Electronics (video and arcade games, interactive toys)
Military Electronics (weapons systems)
Aviation Electronics (ground based radar, test equipment)
Telecommunications (central office, PBX and electronic key systems)
Industrial Electronics (controllers, monitoring systems)
Test Equipment (general and special purpose instruments and systems)
Traffic Control (highway safety and monitoring systems)

CARD EDGE CONNECTORS

The most common application for card edge connectors involves the use of printed circuit daughter boards. The connectors are frequently mounted within an enclosure and interconnnected using either a printed circuit mother board (backplane), wire wrap technology or hand wiring.

Edac supplies connectors in a variety of row spacings and contact pitches suitable for motherboard and wire wrap applications. The backplane connectors are available in either solder dip or compliant (non-solder press fit) configurations.



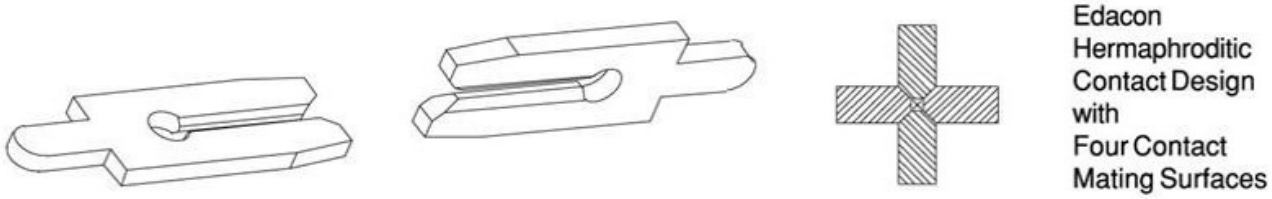
Edac connectors can be designed into many of the industry standard bus systems. For your convenience, the following chart may be used as a guide.

BUS SYSTEM	CONNECTOR SPECIFICATION	EDAC SERIES
APPLEBUS	2 x 25 Pin, .100" (2.54mm) Spacing	345, 50 Pin
EISA	2 x 94 Pin, .050" (1.27mm) Spacing	301, 188 Pin
IBM PC-XT	2 x 31 Pin, .100" (2.54mm) Spacing	345, 62 Pin
IBM PC-AT(ISA)	2 x 49 Pin, .100" (2.54mm) Spacing	395, 98 Pin
IBM MICROCHANNEL	2 x 56 Pin, .050" (1.27mm) Spacing	302, 112 Pin
	2 x 66 Pin, .050" (1.27mm) Spacing	302, 132 Pin
	2 x 91 Pin, .050" (1.27mm) Spacing	302, 182 Pin
MOTOROLA EXERCISOR	2 x 43 Pin, .156" (3.96mm) Spacing	337, 86 Pin
MULTIBUS 1	2 x 43 Pin, .156" (3.96mm) Spacing	337, 86 Pin
	2 x 30 Pin, .100" (2.54mm) Spacing	345, 60 Pin
STANDARD BUS	2 x 28 Pin, .125" (3.18mm) Spacing	346, 56 Pin
S100	2 x 50 Pin, .125" (3.18mm) Spacing	346,100 Pin
VERSABUS	2 x 70 Pin, .100" (2.54mm) Spacing	345,140 Pin
	2 x 60 Pin, .100" (2.54mm) Spacing	345,120 Pin

CONNECTOR APPLICATIONS

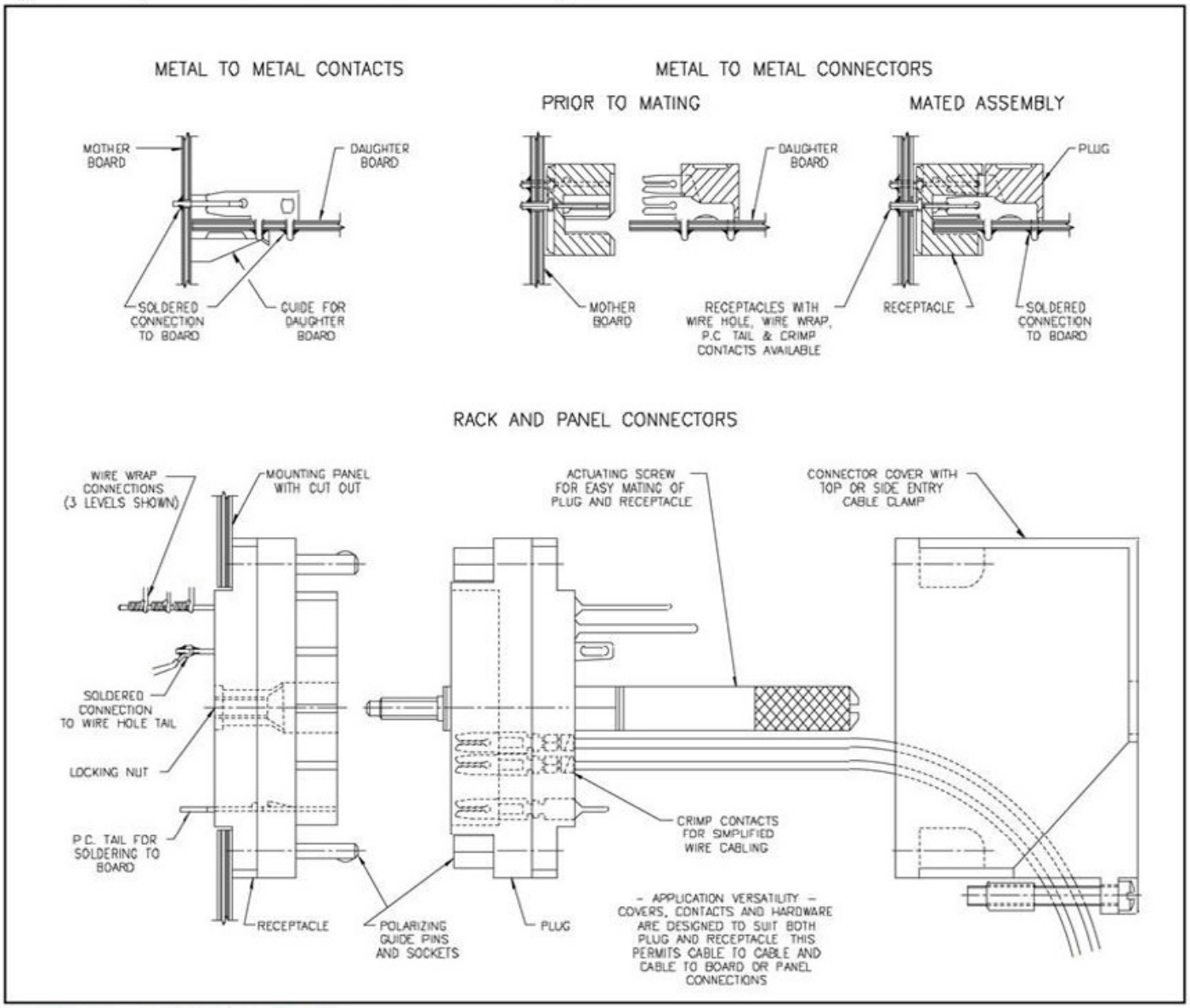
METAL TO METAL AND RACK & PANEL CONNECTORS

When ultra reliable interconnections are required, use of our metal to metal contact system is suggested. Either standard sized connectors can be specified, or a customer's own contact pattern can be accomodated using individual components mounted directly to the printed circuit board. The principle of the Edacon metal to metal contact is shown below.



Edacon Hermaphroditic Contact Design with Four Contact Mating Surfaces

Typical arrangements for metal to metal interconnect systems.



SPECIAL APPLICATIONS

Edac specializes in providing many customized connectors for both small and large orders. If you need a special card slot, body width, card guide, contact tail, mounting option, etc. then call the factory for a quotation. Our tooling system allows us to manufacture many non-standard options at a low cost.

ENGINEERING NOTES

Plastic Moulding Materials

Edac offers a wide range of insulator materials including polyester, diallyl phthalate, polyphenylene sulphide, polycarbonate and nylon. Card guides are moulded in polyester or polycarbonate and polarizing keys are moulded in nylon. If a specific material is required to suit your application, please consult with Edac.

All of the moulding materials used by Edac have excellent mechanical, electrical and thermal properties. Some of the notable differences between the material characteristics are as follows:

1) Diallyl phthalate is a thermoset material. All other materials used are thermoplastics.

2) Polyphenylene sulphide and diallyl phthalate are capable of being used in vapour phase or infra-red soldering applications up to 260 degc. Frequently these materials are also used in burn-in applications up to 150 degrees Celsius.

3) In general, chemical resistance is excellent for all of the materials, except polycarbonate. With polycarbonate, chemicals such as amines, aromatic or halogenated hydrocarbons, esters and ketones should be avoided.

4) The flammability rating is UL 94V-0 for all materials, except for polycarbonate which is rated at UL 94V-2 and nylon which is rated at UL 94HB.

Contact Materials

Contact base materials are copper alloy.

Contact Finish

The standard contact finishes offered include:

1) Selective plating - nickel overall followed by gold on the contact mating area and tin alloy on the contact tails

2) Overall plating - gold over nickel or tin alloy

With this manufacturing flexibility, Edac can also provide contact finishes to meet specific requirements. Examples of special platings regularly performed include various plating thicknesses and selectively plated gold on both the mating area and the contact tail.

Metal Hardware Materials

The majority of metal hardware such as threaded inserts, bushings and actuating screws are nickel plated brass or steel. Consult with Edac if specific details are required.

Underwriters Laboratories (UL) and Canadian Standard Association (CSA)

Connectors recognized by UL and certified by CSA (as indicated on the individual series pages) are listed under UL File No. E62838 & E215269 and CSA File No. LR 39927. Consult with Edac if additional product listings are required.

Wire Data

Diameters of wire sizes commonly used with Edac connectors are summarized below. The actual stranded wire diameter is dependant upon the number of strands and individual strand gauge.

Gauge AWG	Diameter of Solid Wire Conductor	Diameter of Stranded Wire Conductor
18	.0403 (1.024)	.047 to .049 (1.19 to 1.24)
20	.0320 (0.813)	.035 to .038 (0.89 to 0.97)
22	.0253 (0.643)	.030 to .031 (0.76 to 0.79)
24	.0201 (0.511)	.023 to .024 (0.58 to 0.61)
26	.0159 (0.404)	.019 to .021 (0.48 to 0.53)
28	.0126 (0.320)	.015 to .016 (0.38 to 0.41)
30	.0100 (0.254)	.012 (0.30)

The insulation diameter will vary depending upon the application, rating and material.

ENGINEERING & GENERAL NOTES

ENGINEERING NOTES

Special Variation Connectors

Over the past 40 years, Edac has manufactured a wide selection of special connectors. In the part numbering system, they are identified as special by the last group of digits in the part number.

Example Part Number 345 - 072 - 520 - 3 05

Special Variation Identification Code
No. 3 - for Series 100 to 438
No. 9 - for Series 516 to 746

Unique Listing Code for Special Connector
This number is assigned by Edac. Note that connector part number 345-060-520-305 may have completely different features than the part number in the example above.

Some examples of special connector features previously used in manufacturing include:

- Special contact assembly patterns
- Polarizing key installed or moulded into position
- Cost saving options such as no part marking
- Material and plating options
- Special insulator dimensions (length, width, height, mounting)
- Insulator features such as open card slot ends
- Special contact bends, board lock forms, tail lengths
- Customer part number marking
- Specific quality requirements or testing
- Specific control on insertion and withdrawal forces
- Mounting features such as side holes through card guides
- Special rack & panel polarization or cover designs

If you have any unique or unusual connector requirements, discuss them with the specialists at Edac, where even the strangest design ideas can become reality.

Environmental Responsibility

Edac's products and manufacturing processes are free of ozone depleting substances (CFC's and HCFC's) as listed by the Environmental Protection Agency. In addition, waste water quality management and 3R (reduce, re-use and recycle) programs form part of the Edac commitment to environmental responsibility.

GENERAL NOTES

1) Unless indicated otherwise, all dimensions are in inches with the millimeter equivalent in parenthesis, for example .125 (3.18).

2) Some helpful unit conversion factors are as follows:
1.000 inch = 25.40 millimeters
.000001 inch = 1 microinch = 0.0254 microns
16 ounces force = 1 pound force = 4.448 Newtons

3) Dimensional drawings are presented using orthographic third angle projection.

4) Abbreviations used in this catalogue are summarized below:

AWG	- American Wire Gauge
C	- Celcius
CSA	- Canadian Standards Association
Dia.	- Diameter
EISA	- Extended Industry Standard Architecture
I.D.	- Inside Diameter
ISA	- Industry Standard Architecture
kN	- kilonewton
kPa	- kilopascal
lbs	- pounds
MCA	- Microchannel Architecture
mm	- millimeters
N	- newton
oz	- ounce
P.C.	- Printed Circuit
P/N	- Part Number
psi	- pounds per square inch
rms	- root mean squared
V AC	- Volts, Alternating Current
UL	- Underwriters Laboratories

5) Registered trademarks to be acknowledged include:
Wire Wrap - Gardner Denver Corp.

6) Edac is a licensed user of the connector design technology that permits the use of flat rock tooling for the installation of the compliant pin card edge connectors.

7) Every effort has been made to ensure the accuracy of information within this catalogue. When changes or corrections are necessary, trade announcements are made to customers, distributors or representatives of Edac. Readers of this catalogue are invited to offer suggestions for improvements to future publications.

Contact Spacings of .100 (2.54), .125 (3.18) and .156 (3.96)

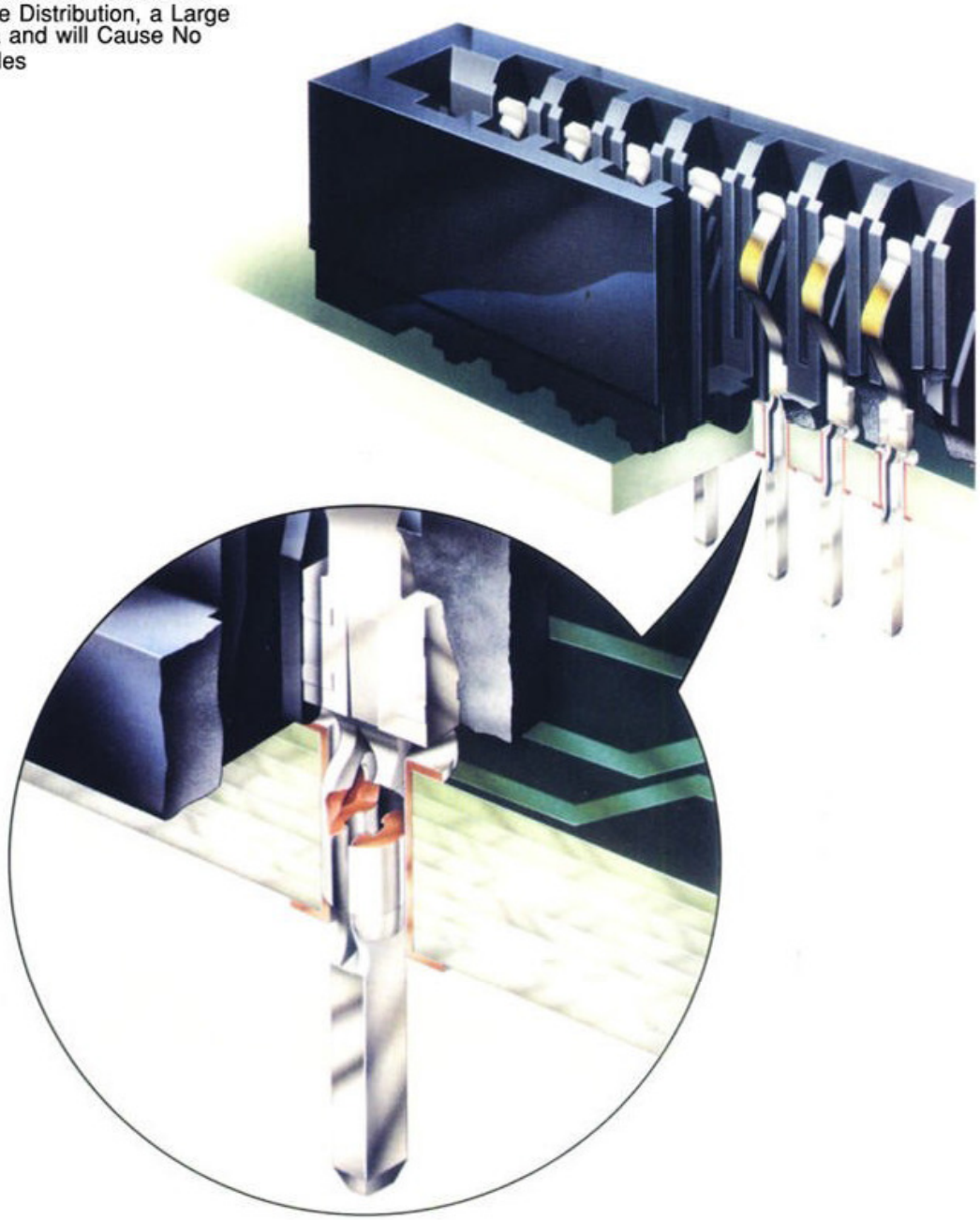
Full Range of Connector Sizes - Up to 150 Contacts

Variety of Contact Tail Lengths and Contact Point Styles

Make-Before-Break Switching Contacts also Available

Simple Flat Rock Tooling for Connector Installation

Unique Compliant Pin Design offers Low Installation Force, Symmetrical Internal Force Distribution, a Large Uniform Compliant Surface Area and will Cause No Damage to the Circuit Board Holes



CONNECTOR INSTALLATION

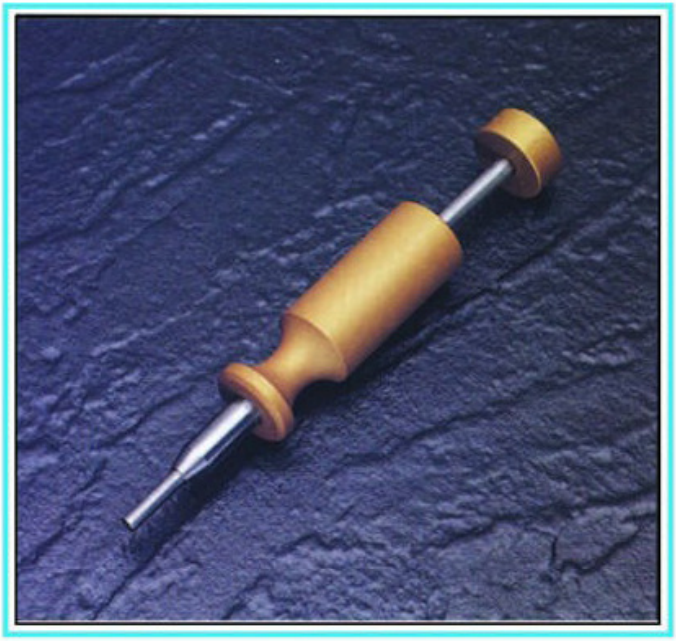
Connectors received by the customer are ready for installation into the circuit board. The flat rock insertion technique requires a press and adequate support for the circuit board. Once the number of contacts to be pressed into the board together has been determined, the press tonnage should be calculated at approximately 30 pounds (134 N) per contact. The support plate should be designed with clearance where the contact tails protrude through the underside of the board.

INSULATION REMOVAL TOOL

Part Number 745-280-200 for Use with 737 and 745 Series Connectors
Part Number 746-280-200 for Use with 746 Series Connectors
Tool Latches under Side Steps of Insulator and Lifts Insulator while Leaving Contacts Firmly Positioned in the Circuit Board

CONTACT REMOVAL TOOL

Part Number 745-280-300 for Contact Codes 520 and 525
Part Number 345-280-200 for All Other Contact Codes
Used for 737, 745 and 746 Series
Removes a Contact from the Circuit Board after the Insulator has been Removed

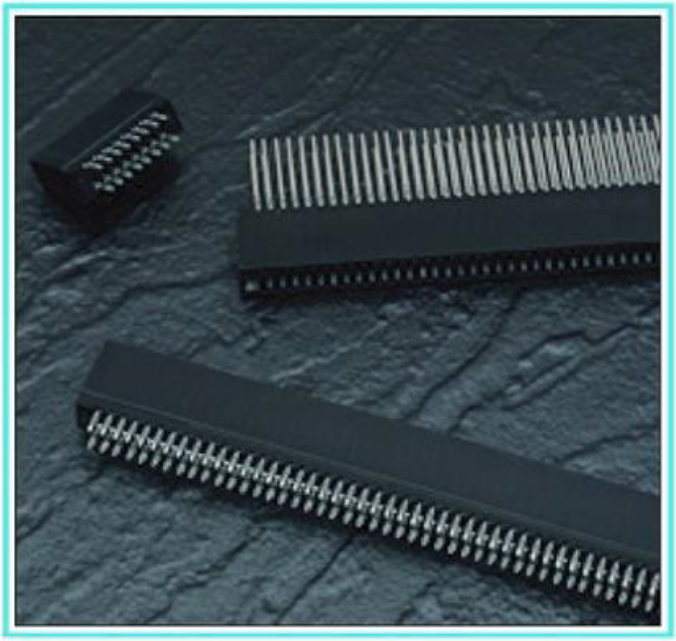


CONTACT REMOVAL OR REPLACEMENT PROCEDURE

Using the insulator removal tool, lift the insulator up to remove it from the contacts. The contacts will be left standing firmly on the circuit board. Remove any contacts necessary. If replacement contacts are needed, assemble contacts into the appropriate positions in the insulator and push them in lightly so that they will stay in position during re-assembly. Align the insulator with the contacts in the board and push it down until the new contacts are positioned over their holes. Using the flat rock installation technique, push the insulator and new contacts down into their final position.

745 SERIES PRESS FIT CARD EDGE CONNECTOR

.100" (2.54mm) Contact Spacing, Compliant Pin



FEATURES

- CSA Approved and UL Recognized
- .100 (2.54) Contact Spacing x .200 (5.08) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- High Profile Insulator Body, .645 (16.38) with End Notch Option
- **Press Fit 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

SPECIFICATIONS

- Insulator Material: Thermoplastic Polyester, UL 94V-O, Colour: Black
- **Contact Material: Copper Alloy**
- 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.
- Currrent Rating: 2 Amperes Continuous
- Contact Resistance: 10 Milliohms Maximum
- Dielectric Withstanding Voltage: 1200 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: 16 oz (4.45 N) Maximum per Contact Pair when Tested with a .070 (1.78) Thick Gauge
- Daughter Board Withdrawal 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

745 SERIES ORDERING CODE

Example Part Number 745 - 100 - 520 - 2 06

- **Series** — 745
- **Total Number of Contacts** — 100
- **Contact Code** — 520
- **Contact Rows** — 2
- **Insulator Options** — 06

Series 745

Total Number of Contacts [1]	Contact Rows
005, 006,...075	Single Row
010, 012,...150	Dual Row

Contact Code [2]	Description & Contact Point	Tail Length "G"
520	P.C. Tail Regular Point	.175 (4.45)
522	P.C. Tail Regular Point	.375 (9.53)
525	P.C. Tail High Point	.175 (4.45)
540	Wire Wrap Regular Point	.560 (14.22)
541	Wire Wrap Regular Point	.750 (19.05)
545	Wire Wrap High Point	.560 (14.22)

Contact Rows	Description
1	Single Row
2	Dual Row

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 75 contacts single row / 150 contacts dual row are available upon request.
2) Make-before-break switching contacts, assembled in specific contact positions, are available upon request.

IN-CONTACT POLARIZING KEY

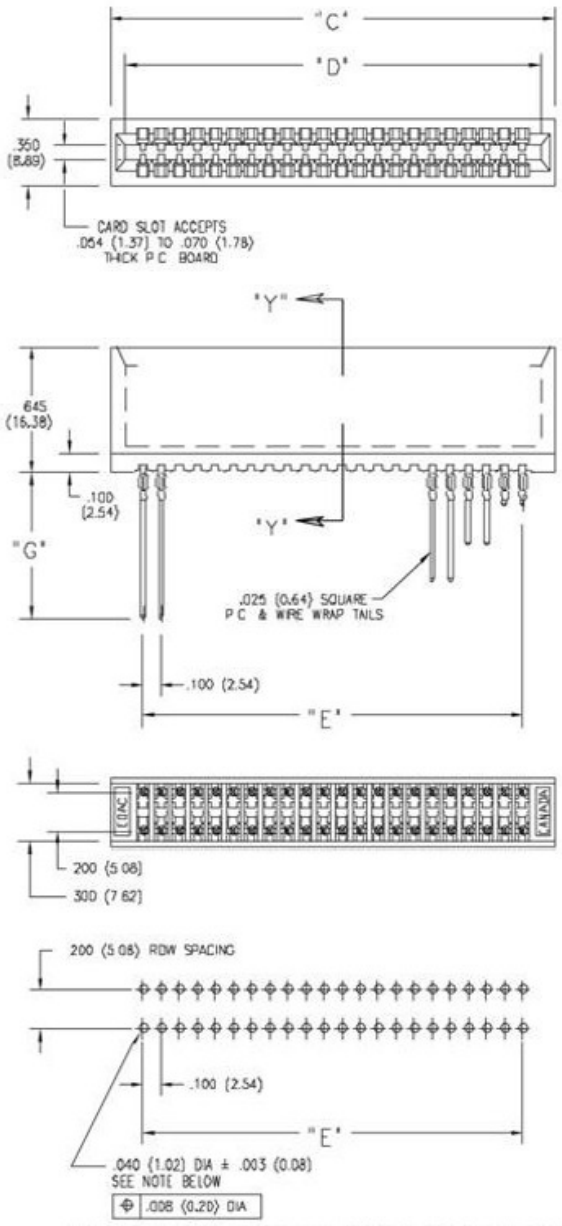
P/N 745-240-328

BETWEEN CONTACT POLARIZING KEY

P/N 306-240-318

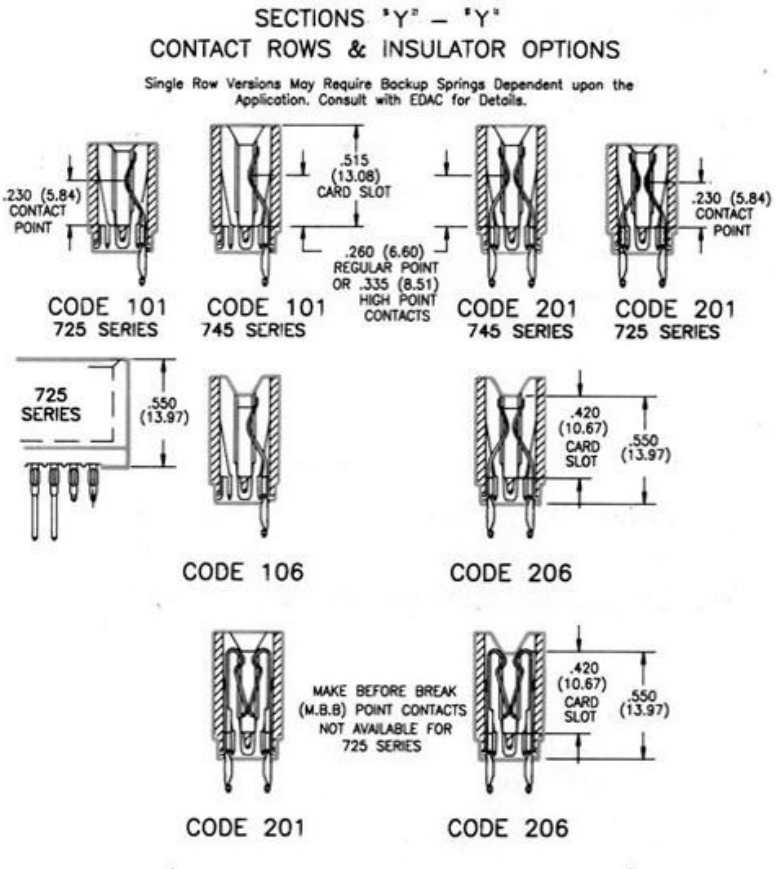
PRESS FIT CARD EDGE CONNECTOR SERIES 745

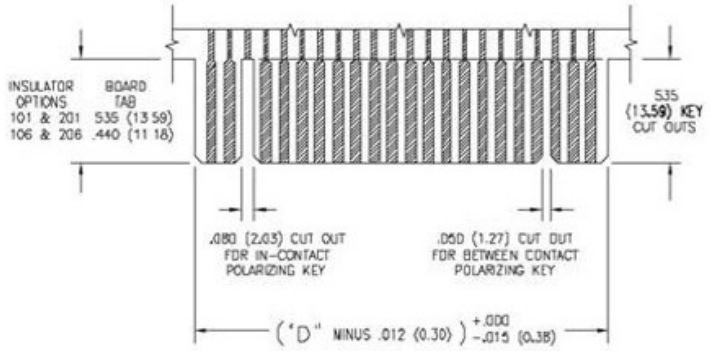
Compliant Pin, Contact Spacing .100" (2.54mm)



RECOMMENDED MOTHER BOARD HOLE PATTERN

TO OBTAIN OPTIMUM COMPLIANT SECTION PERFORMANCE, DRILL HOLES .045 ± .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





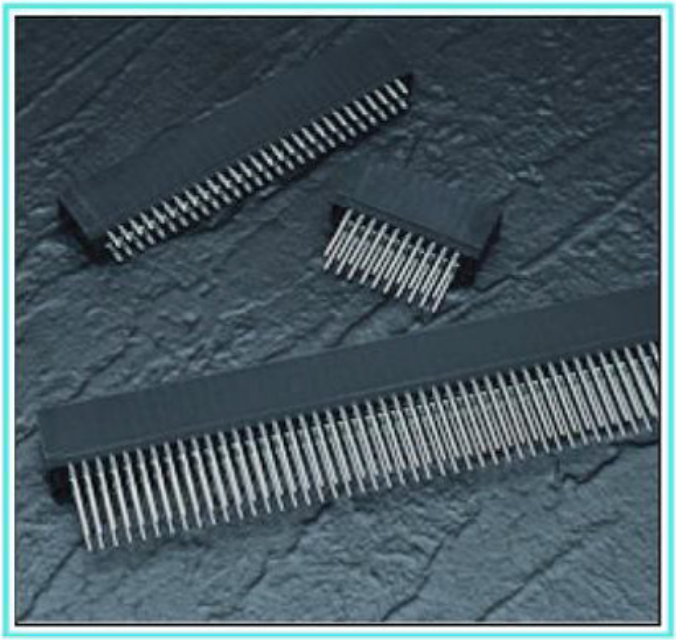
RECOMMENDED DAUGHTER BOARD

NUMBER OF CONTACTS		"C"		"D"		"E"	
Single	Dual	Inch	(mm)	Inch	(mm)	Inch	(mm)
5	10	.760	(19.30)	.600	(15.24)	.400	(10.16)
10	20	1.260	(32.00)	1.100	(27.94)	.900	(22.86)
15	30	1.760	(44.70)	1.600	(40.64)	1.400	(35.56)
18	36	2.060	(52.32)	1.900	(48.26)	1.700	(43.18)
22	44	2.460	(62.48)	2.300	(58.42)	2.100	(53.34)
25	50	2.760	(70.10)	2.600	(66.04)	2.400	(60.96)
28	56	3.060	(77.72)	2.900	(73.66)	2.700	(68.58)
30	60	3.260	(82.80)	3.100	(78.74)	2.900	(73.66)
31	62	3.360	(85.34)	3.200	(81.28)	3.000	(76.20)
35	70	3.760	(95.50)	3.600	(91.44)	3.400	(86.36)
36	72	3.860	(98.04)	3.700	(93.98)	3.500	(88.90)
43	86	4.560	(115.82)	4.400	(111.76)	4.200	(106.68)
50	100	5.260	(133.60)	5.100	(129.54)	4.900	(124.46)
75	150	7.760	(197.10)	7.600	(193.04)	7.400	(187.96)

Dimensions of Other Connector Sizes are Listed

746 SERIES PRESS FIT CARD EDGE CONNECTOR

.125" (3.18mm) Contact Spacing, Compliant Pin



FEATURES

- CSA Approved and 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
- **Press Fit 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

SPECIFICATIONS

- Insulator Material: Thermoplastic Polyester, UL 94V-O, Colour: Black
- **Contact Material: Copper Alloy**
- 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: 16 oz (4.45 N) Maximum per Contact Pair when Tested with a .070 (1.78) Thick Gauge
- Daughter Board Withdrawal 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

746 SERIES ORDERING CODE

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 [1]	Contact Rows
005, 006,...060	Single Row
010, 012,...120	Dual Row

Contact Code [2]	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.

IN-CONTACT POLARIZING KEY

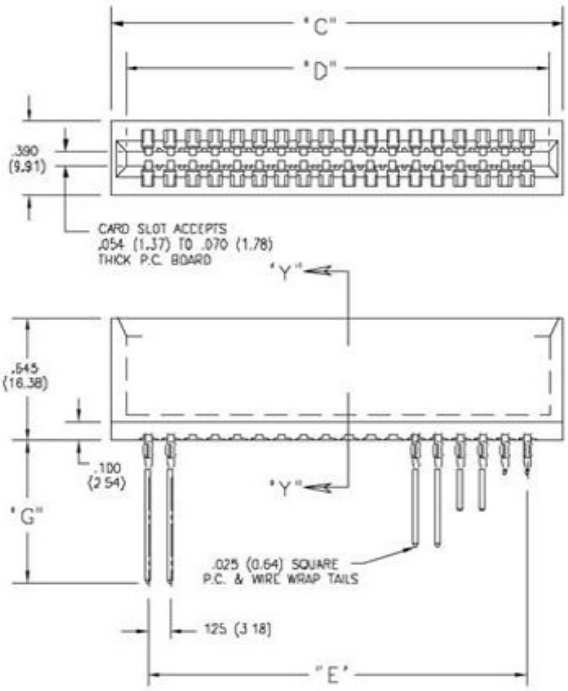
P/N 746-240-328

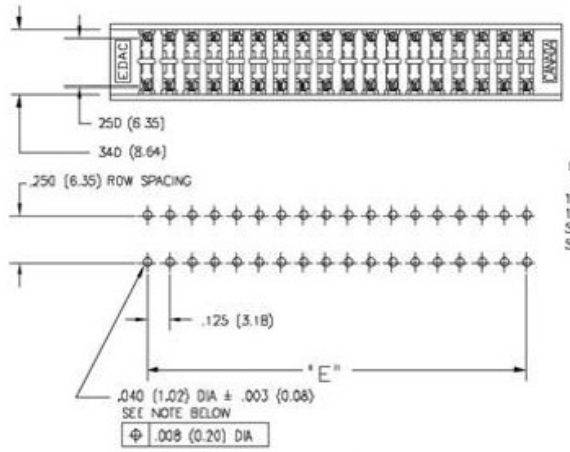
BETWEEN CONTACT POLARIZING KEY

P/N 306-240-318

PRESS FIT CARD EDGE CONNECTOR SERIES 746

Compliant Pin, Contact Spacing .125" (3.18mm)



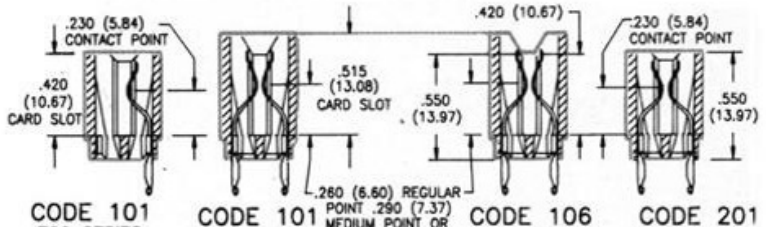


RECOMMENDED MOTHER BOARD HOLE PATTERN

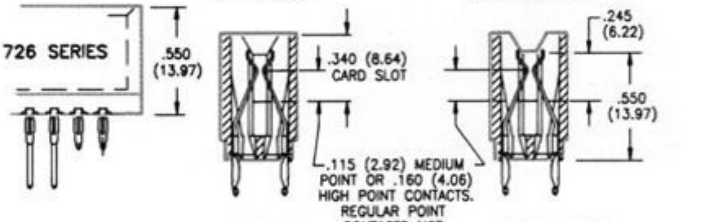
TO OBTAIN OPTIMUN COMPLIANT SECTION PERFORMANCE, DRILL HOLES .0453 ± .001 (1.15 ± 0.03) DIAMETER COPPER PLATE, .001 (25.4 MICRONS) MINIMUM THICKNESS, FOLLOWED BY TIN PLATE TO PROVIDE FINISHED HOLES .040 ± .003 (1.02 ± 0.08) DIAMETER

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

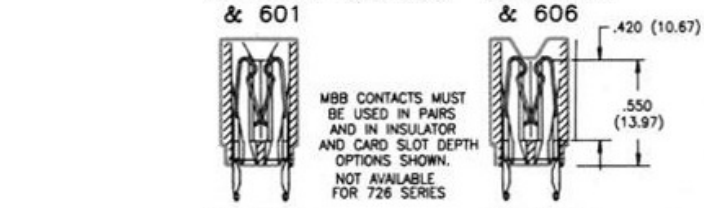
Single Row Versions May Require Backup Springs Depending on the Application. Consult with EDAC for Details.



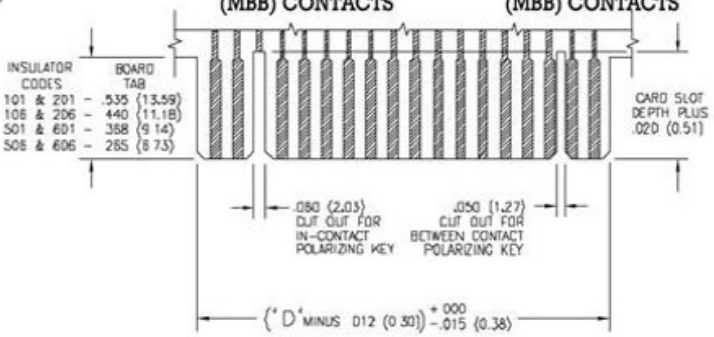
CODE 101 726 SERIES | CODE 101 & 201 746 SERIES | CODE 106 & 206 746 SERIES | CODE 201 726 SERIES



CODE 501 & 601 | CODE 506 & 606



CODE 201 (MBB) CONTACTS | CODE 206 (MBB) CONTACTS



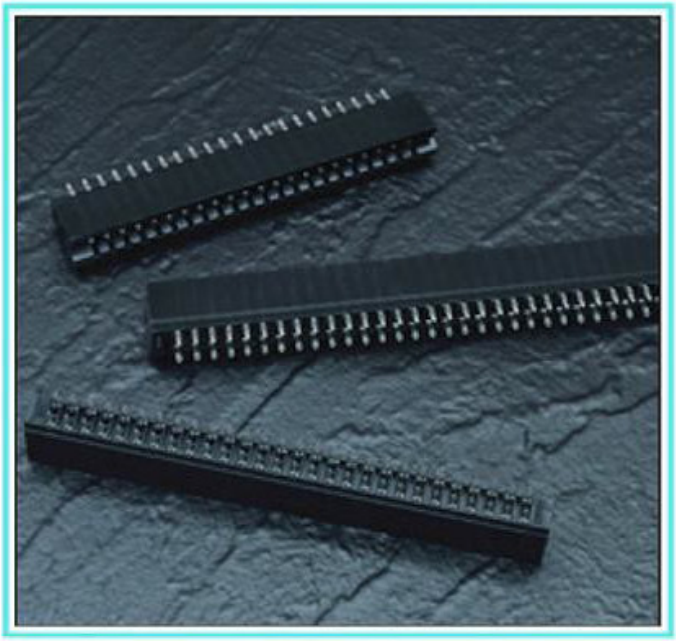
RECOMMENDED DAUGHTER BOARD

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

737 SERIES PRESS FIT CARD EDGE CONNECTOR

.156" (3.96mm) Contact Spacing, Compliant Pin



FEATURES

- UL Recognized
- .156 (3.96) Contact Spacing x .200 (5.08) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- High Profile Insulator Body, .645 (16.38) with End Notches
- **Press Fit 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

SPECIFICATIONS

- Insulator Material: Thermoplastic Polyester, UL 94V-O, Colour: Black
- **Contact Material: Copper Alloy**
- 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
- Contact Resistance: 10 Milliohms Maximum
- Dielectric Withstanding Voltage: 1800 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: 16 oz (4.45 N) Maximum per Contact Pair when Tested with a .070 (1.78) Thick Gauge
- Daughter Board Withdrawal 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

737 SERIES ORDERING CODE

Example Part Number 737 - 044 - 520 - 206

- **Series** — 737
- **Total Number of Contacts** — 044
- **Contact Code** — 520
- **Contact Rows** — 206

Series 737

Total Number of Contacts [1]	Contact Rows
005, 006,...043	Single Row
010, 012,...086	Dual Row

Contact Code [2]	Description & Contact Point	Tail Length "G"
520	P.C. Tail Regular Point	.175 (4.45)
522	P.C. Tail Regular Point	.375 (9.53)
525	P.C. Tail High Point	.175 (4.45)
540	Wire Wrap Regular Point	.560 (14.22)
541	Wire Wrap Regular Point	.750 (19.05)
545	Wire Wrap High Point	.560 (14.22)

Contact Rows	Description
106	Single Row
206	Dual Row

Ordering Code Notes

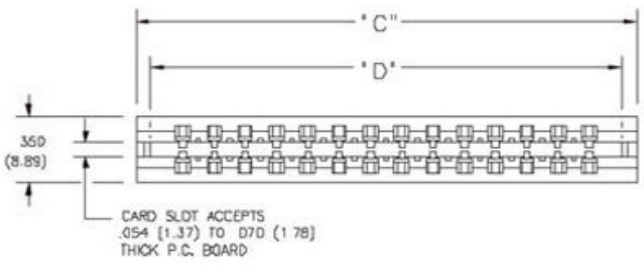
1) All connector sizes up to 43 contacts single row / 86 contacts dual row are available upon request.
2) Make-before-break switching contacts, assembled in specific contact positions, are available upon request.

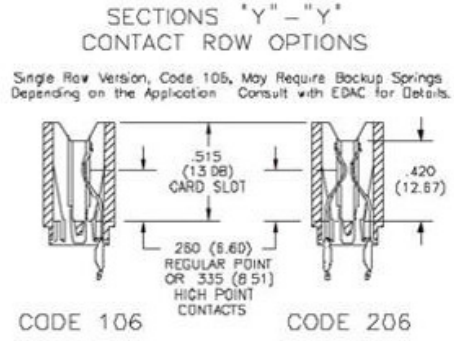
IN-CONTACT POLARIZING KEY

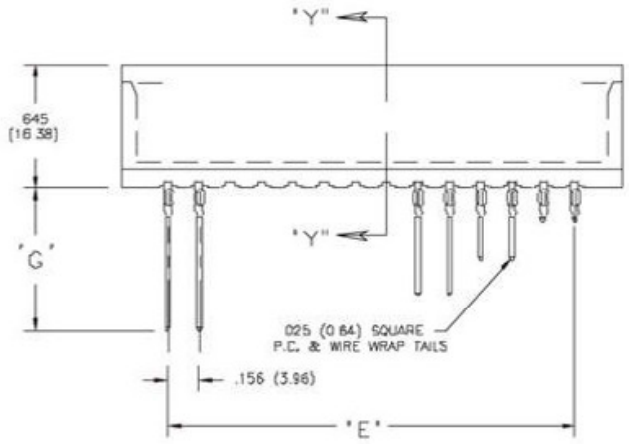
P/N 745-240-328

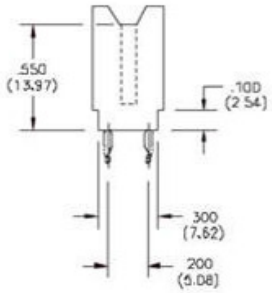
BETWEEN CONTACT POLARIZING KEY

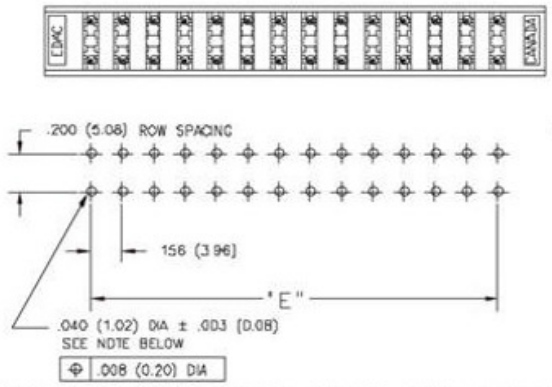
P/N 306-240-318

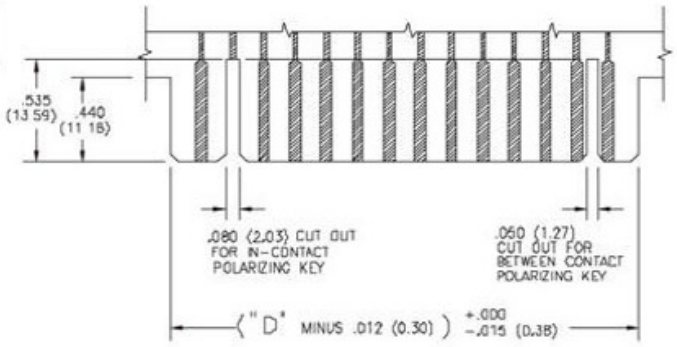










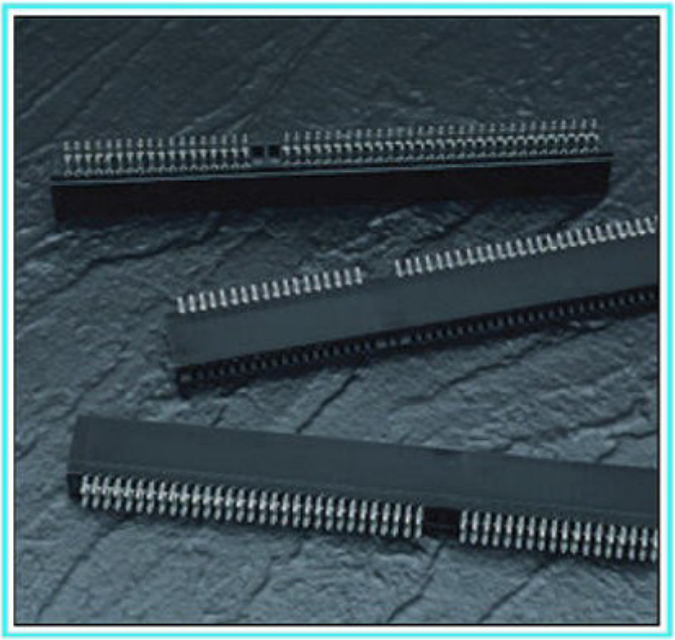


NUMBER OF CONTACTS		"C"		"D"		"E"	
Single	Dual	Inch	(mm)	Inch	(mm)	Inch	(mm)
5	10	1.246	(31.65)	1.100	(27.94)	.780	(19.81)
6	12	1.402	(35.61)	1.256	(31.90)	.936	(23.77)
10	20	2.026	(51.46)	1.880	(47.75)	1.560	(39.62)
15	30	2.806	(71.27)	2.660	(67.56)	2.340	(59.44)
18	36	3.274	(83.16)	3.128	(79.45)	2.808	(71.32)
20	40	3.586	(91.08)	3.440	(87.38)	3.120	(79.25)
22	44	3.898	(99.01)	3.752	(95.30)	3.432	(87.17)
25	50	4.366	(110.90)	4.220	(107.19)	3.900	(99.06)
28	56	4.834	(122.78)	4.688	(119.08)	4.368	(110.95)
30	60	5.146	(130.71)	5.000	(127.00)	4.680	(118.87)
31	62	5.302	(134.67)	5.156	(130.96)	4.836	(122.83)
33	66	5.614	(142.60)	5.468	(138.89)	5.148	(130.76)
36	72	6.082	(154.48)	5.936	(150.77)	5.616	(142.65)
43	86	7.174	(182.22)	7.028	(178.51)	6.708	(170.38)

Dimensions of Other Connector Sizes are Listed

745 SERIES (98 PIN-AT) PRESS FIT CARD EDGE CONNECTOR

.100" (2.54mm) Contact Spacing, Compliant Pin



745 SERIES (98 PIN-AT) ORDERING CODE

Example Part Number 745 - 098 - 520 - 900

- **Series**
- **Total Number of Contacts**
- **Contact Code**
- **Variation Code**

Series 745

Total Number of Contacts 098

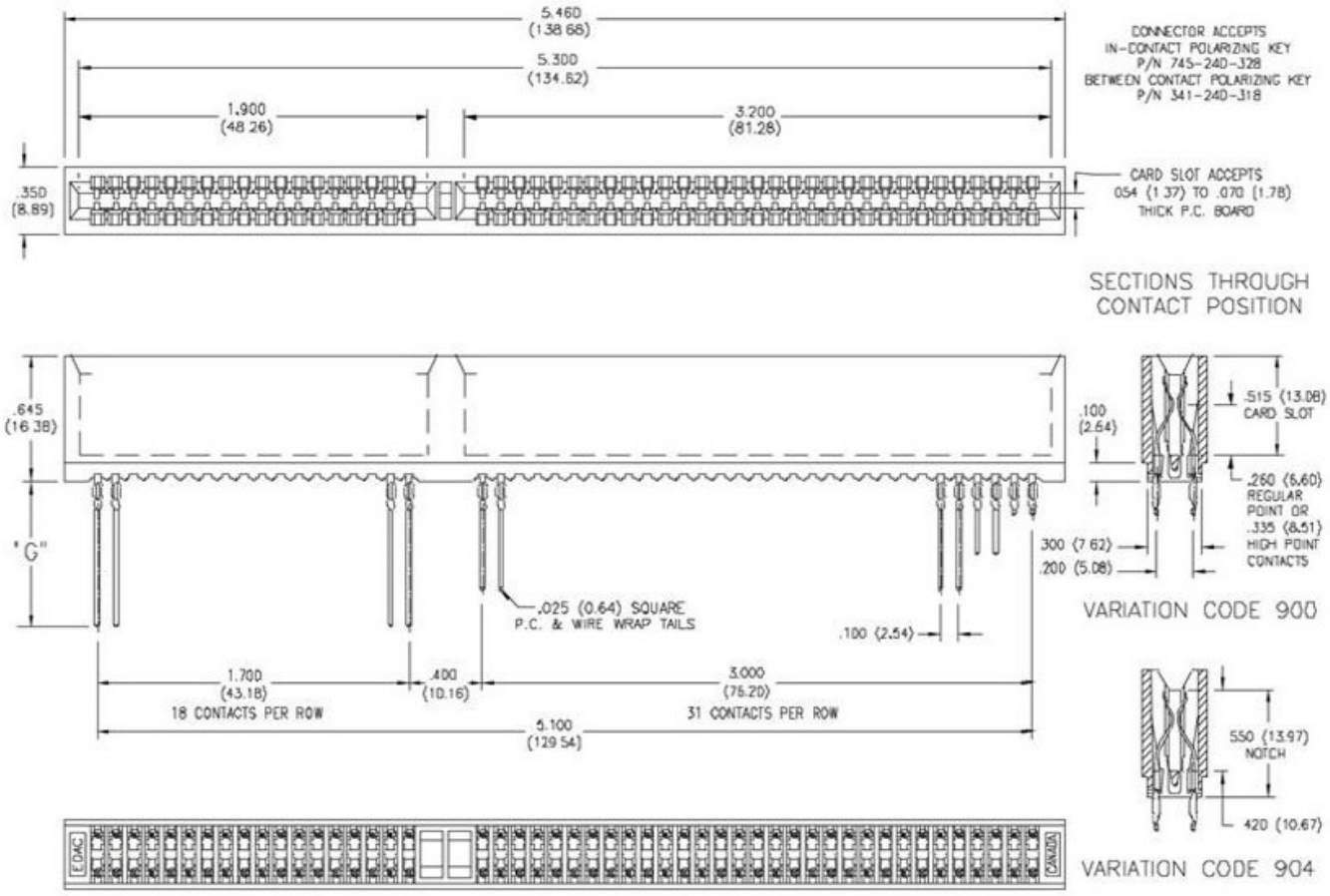
Contact Code

See 745 Series for Available Contact Options and "G" Dimension

Variation Code	Description
900	Card Slot Barrier with .645 (16.38) Full Height Ends
904	Card Slot Barrier with .550 (13.97) Notched Ends

FEATURES

- CSA Approved and UL Recognized
- **Press Fit Compliant Pin Connector for IBM-AT Industry Standard Architecture**
- Card Slot Barrier Divides 98 Pin Connector into Groups of 62 and 36 Contacts
- For Additional Features and Specifications, Refer to 745 Series



EISA CARD EDGE CONNECTOR SERIES 301

Contact Spacing .050" (1.27mm)

301 SERIES ORDERING CODE

Part Number 301 - 188 - 520 - 201

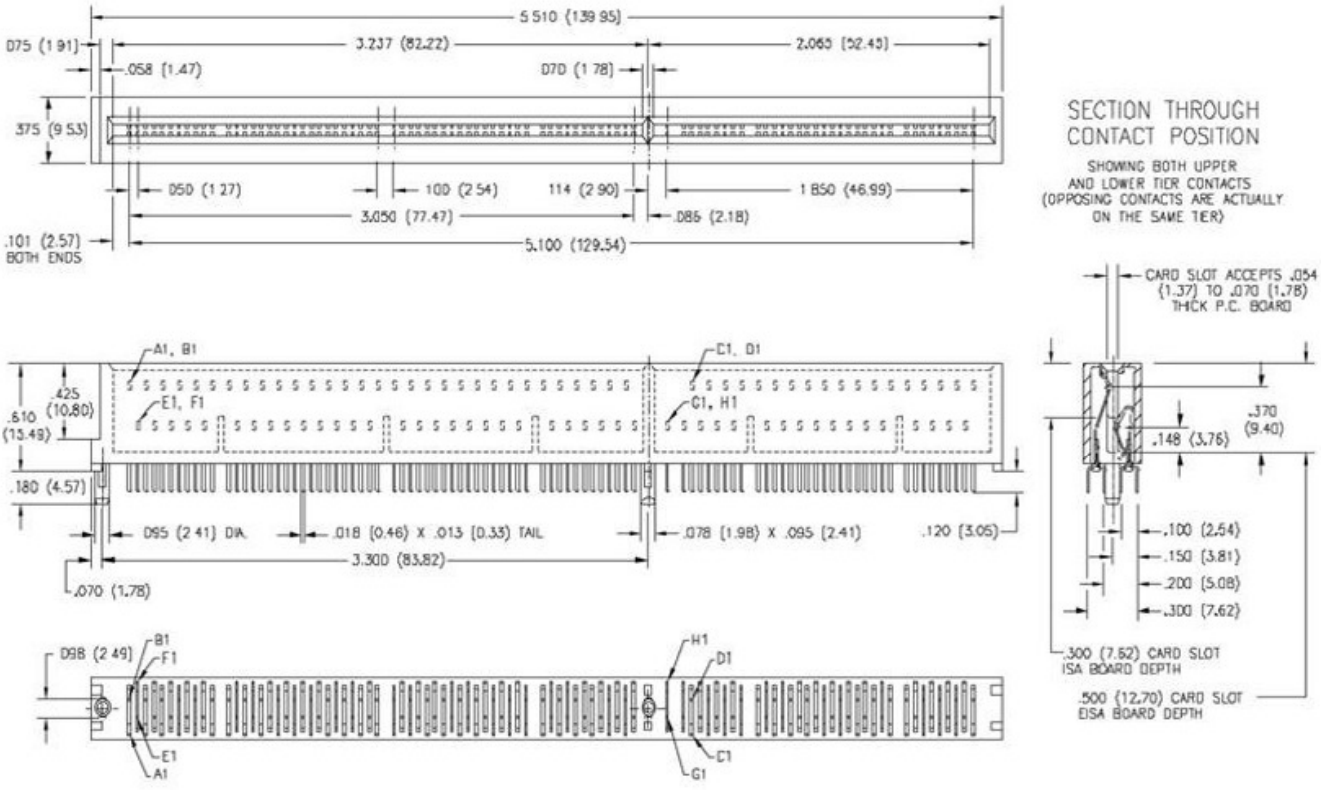
- **Series** — 301
- **Total Number of Contacts** — 188
- **Contact Code** — 520
- **Style** — 201

FEATURES

- EISA or ISA (IBM XT/AT) Daughter Boards Accommodated with Bi-Level Contact Points and Card Slot Depths
- .050 (1.27) Contact Spacing with Staggered Tail Bend Results in 4 Rows at .100 (2.54) Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board, Accurately Positioned by a Card Slot Barrier
- High Profile Insulator Body, .610 (15.49)
- Mounting Posts Provide Positive Location and Retention
- P.C. Tail Contact Termination

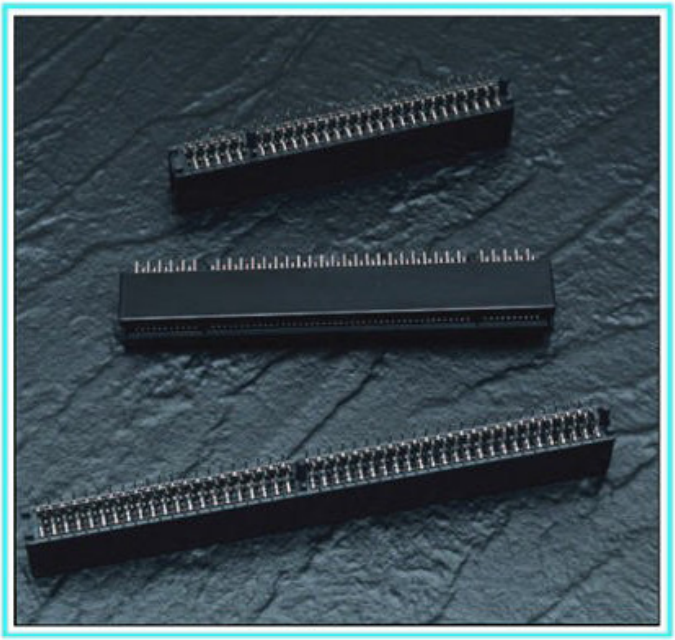
SPECIFICATIONS

- Insulator Material: Polyphenylene Sulphide, UL 94V-0, Colour: Brown
- **Contact Material: Copper Alloy**
- Contact Plating: Gold on the Mating Area, Tin on the Contact Tails, Nickel Underplate
- Current Rating: 1 Ampere Continuous
- Contact Resistance: 30 Milliohms Maximum
- Dielectric Withstanding Voltage: 500 V AC rms at Sea Level
- Insulation Resistance: 1000 Megohms Minimum
- Operating Temperature: -55 to +85 Degrees C
- Insertion Force: 6 oz (1.67 N) Maximum per Contact Pair when Tested with a .062 (1.57) Thick Gauge
- Withdrawal Force: .75 oz (0.21 N) Minimum per Contact Pair when Tested with a .062 (1.57) Thick Gauge



302 SERIES MCA CARD EDGE CONNECTOR

.050"(1.27mm) Contact Spacing



302 SERIES ORDERING CODE

Example Part Number 302 - 182 - 520 - 201

- **Series** — 302
- **Total Number of Contacts** — 182
- **Contact Code** — 520
- **Style** — 201

Series 302

Total Number of Contacts	Description
112	Divided into Groups of 90 & 22 Contacts
132	Divided into Groups of 20, 90 & 22 Contacts
182	Divided into Groups of 98 & 84 Contacts

Contact Code 520

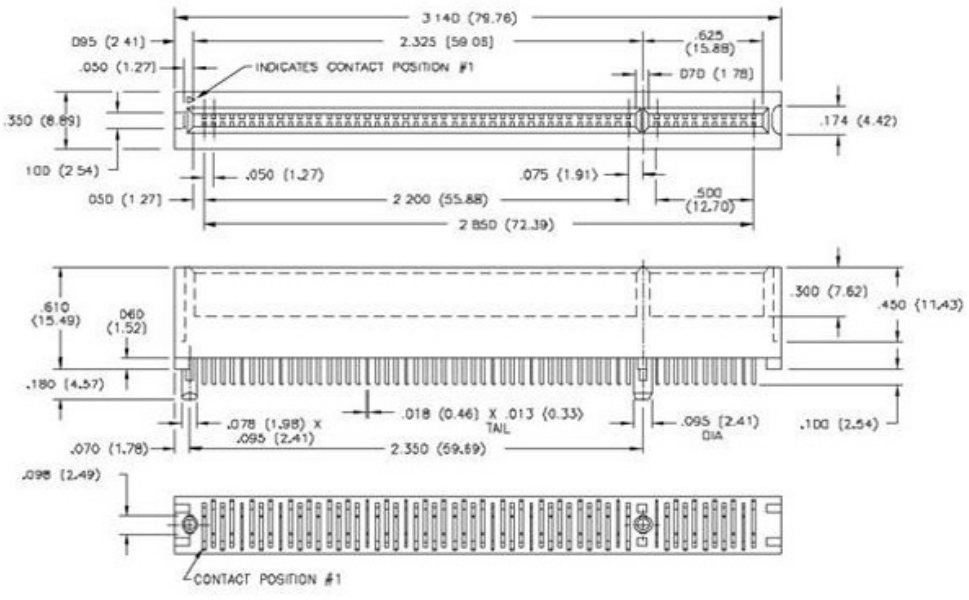
Style 201

FEATURES

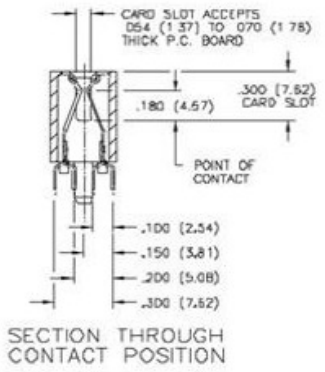
- Accommodates MCA (Microchannel Architecture) Daughter Boards for IBM PS/2 Systems
- .050 (1.27) Contact Spacing with Staggered Tail Bend Results in 4 Rows at .100 (2.54) Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board, Accurately Positioned by Card Slot Barrier
- High Profile Insulator Body, .610 (15.49)
- Mounting Posts Provide Positive Location and Retention
- P.C. Tail Contact Termination
- Many other sizes available. Please contact Edac for additional items

SPECIFICATIONS

- Insulator Material: Polyphenylene Sulphide, UL 94V-0, Colour: Black
- **Contact Material: Copper Alloy**
- Contact Plating: Gold on the Mating Area, Tin on the Contact Tails, Nickel Underplate
- Current Rating: 1 Ampere Continuous
- Contact Resistance: 30 Milliohms Maximum
- Dielectric Withstanding Voltage: 500 V AC rms at Sea Level
- Insulation Resistance: 1000 Megohms Minimum
- Operating Temperature: -65 to +125 Degrees C
- Insertion Force: 8 oz (2.22 N) Maximum per Contact Pair when Tested with a .062 (1.57) Thick Gauge
- Withdrawal Force: 1 oz (0.28 N) Minimum per Contact Pair when Tested with a .062 (1.57) Thick Gauge

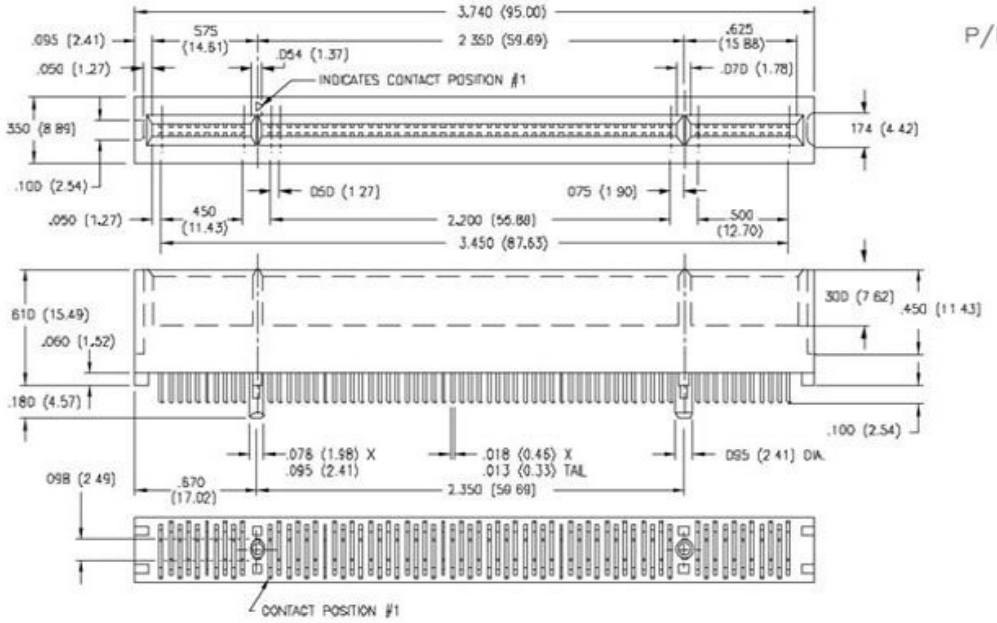


P/N 302-112-520-201

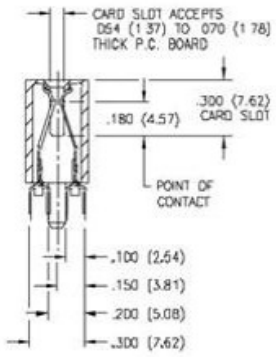


SECTION THROUGH CONTACT POSITION

P/N 302-132-520-201

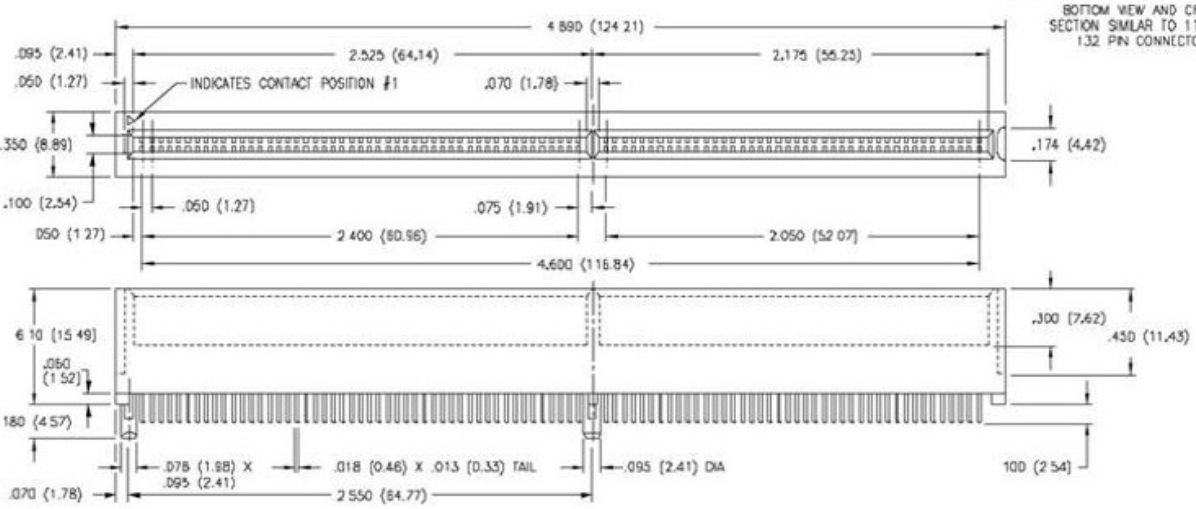


SECTION THROUGH CONTACT POSITION



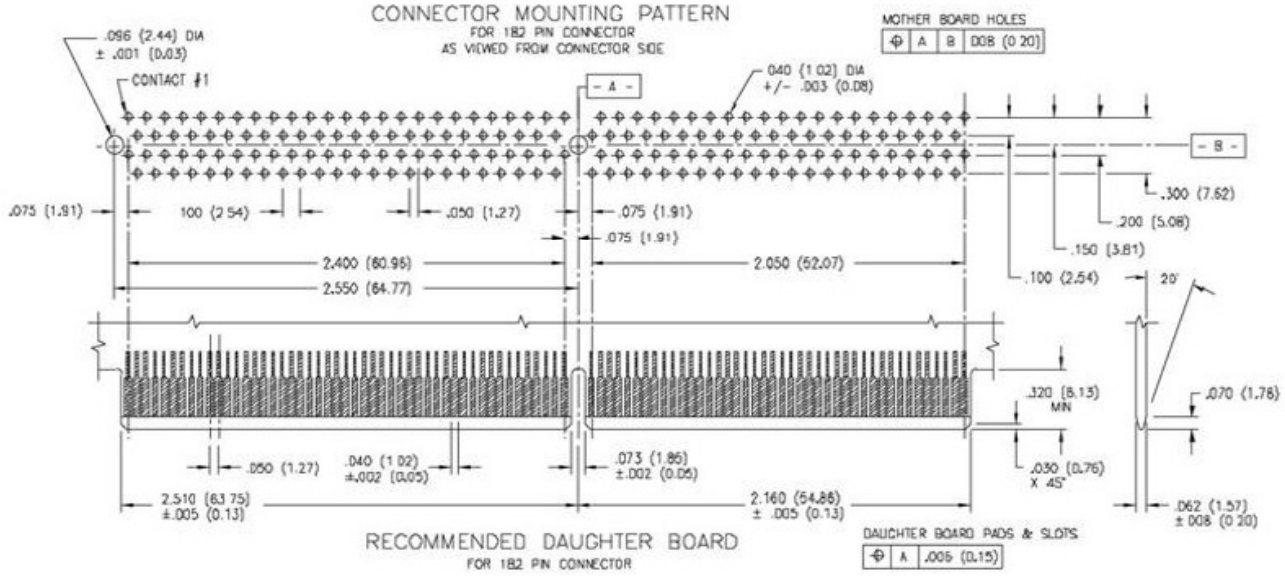
P/N 302-182-520-201

BOTTOM VIEW AND CROSS SECTION SIMILAR TO 112 AND 132 PIN CONNECTOR



CONNECTOR MOUNTING PATTERN

FOR 182 PIN CONNECTOR AS VIEWED FROM CONNECTOR SIDE



RECOMMENDED DAUGHTER BOARD

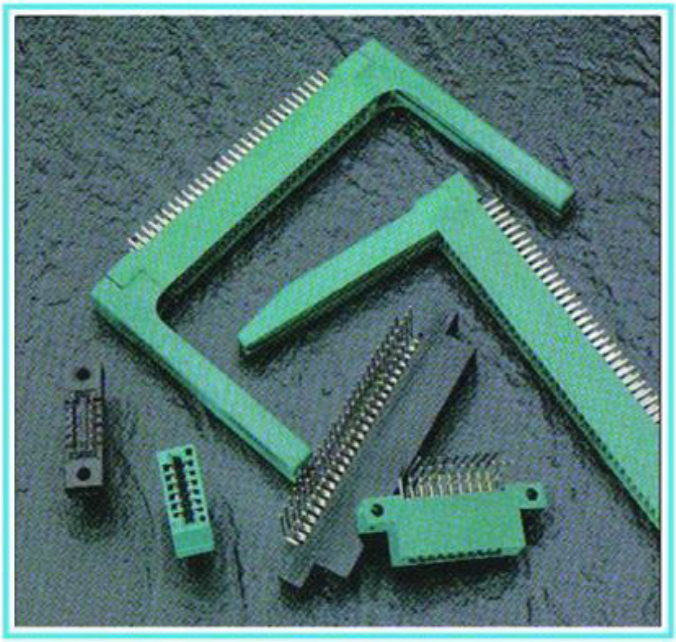
FOR 182 PIN CONNECTOR

DAUGHTER BOARD PADS & SLOTS

⌖ A .005 (0.15)

345/395 SERIES CARD EDGE CONNECTOR

.100" (2.54mm) Contact Spacing



FEATURES

- CSA Approved and UL Recognized
- .100 (2.54) Contact Spacing x .200 (5.08) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- High Profile Insulator Body, .600 (15.24)
- Contact Termination Options include P.C. Tail, Wire Hole, Wire Wrap, 90 Degree & Extender Board Bends
- Single or Dual Row Configurations
- Large Variety of Mounting Options, Flush or Offset Lugs
- Pre-assembled Card Guides Available
- Accepts Between Contact and In-Contact Polarizing Keys
- Automatic Wire Wrap Positioning Holes

SPECIFICATIONS

- Insulator Material: Thermoplastic Polyester, UL 94V-0
- **Contact Material: Copper Alloy**
- Contact Plating: Gold on the Mating Area, Tin on the Contact Tails, Nickel Underplate
- Current Rating: 3 Amperes Continuous
- Contact Resistance: 10 Milliohms Maximum
- Dielectric Withstanding Voltage: 1200 V AC rms at Sea Level Between Adjacent Contacts
- Insulation Resistance: 5000 Megohms Minimum
- Operating Temperature: -65 to +105 Degrees C
- Insertion Force: 16 oz (4.45 N) Maximum per Contact Pair when Tested with a .070 (1.78) Thick Gauge
- Withdrawal Force: 1 oz (0.28 N) Minimum per Contact Pair when Tested with a .054 (1.37) Thick Gauge

345/395 SERIES ORDERING CODE

Example Part Number 345 - 050 - 520 - 2 02

- **Series**
- **Total Number of Contacts**
- **Contact Code**
- **Contact Rows and Insulator Style**
- **Mounting Options**

Series	Insulator Colour
345	Green
395	Black

Total Number of Contacts [1]	Contact Rows
005, 006,...072	Single Row
010, 012,...144	Dual Row

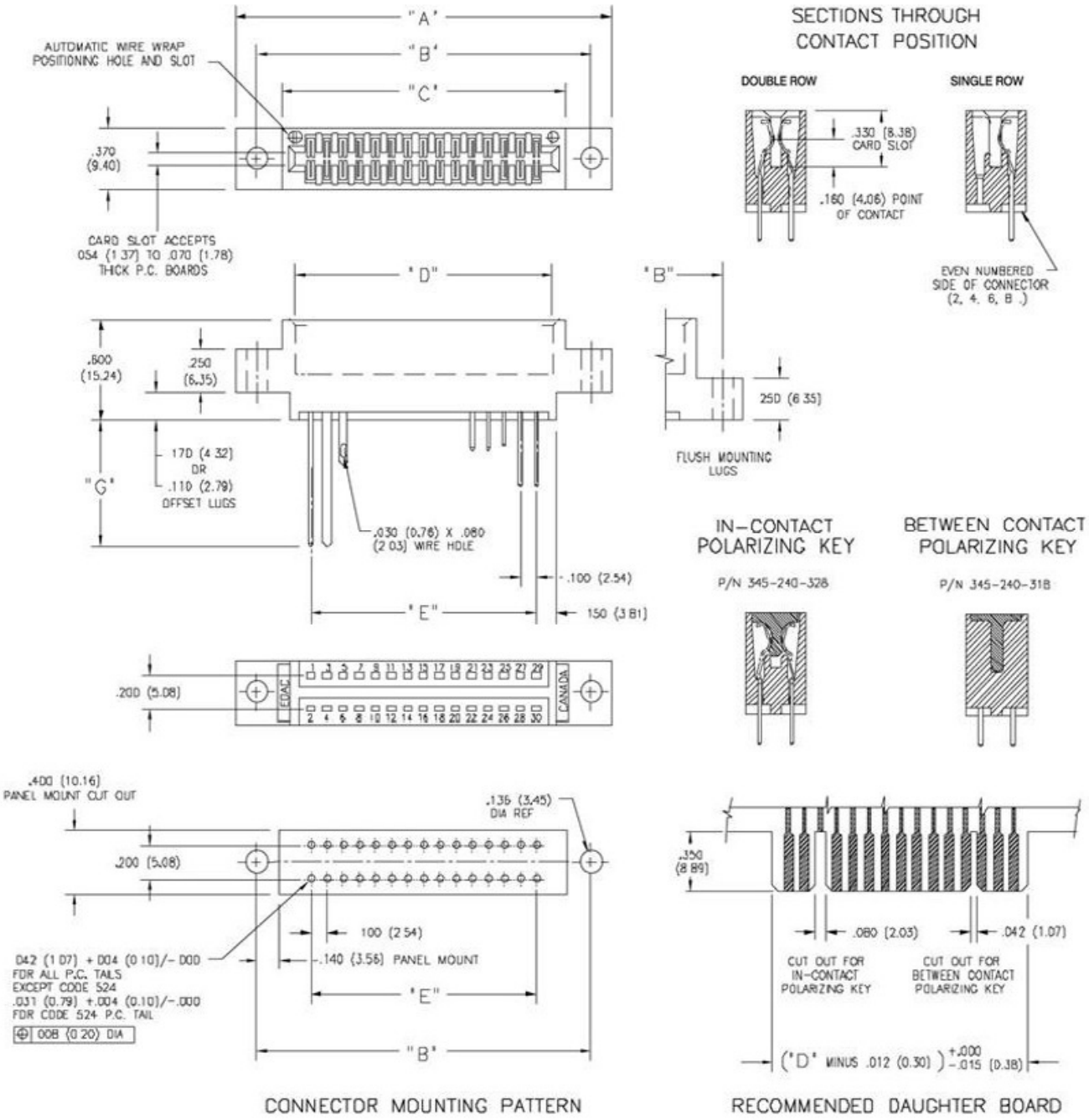
Contact Code [2,3]	Description & Tail Size	Tail Length "G"
500	Wire Hole .050 x .025 (1.27 x 0.64)	.260 (6.60)
520	P.C. Tail .030 x .018 (0.76 x 0.46)	.175 (4.45)
521	P.C. Tail .025 Square (0.64 Square)	.150 (3.81)
523	P.C. Tail .025 Square (0.64 Square)	.390 (9.91)
524	P.C. Tail .018 Square (0.46 Square)	.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)	

Contact Rows and Insulator Style	Description
1	Single Row, Flush Mounting Lugs
2	Dual Row, Flush Mounting Lugs
4	Single Row, .110 (2.79) Offset Lugs
5	Dual Row, .110 (2.79) Offset Lugs
6	Single Row, .170 (4.32) Offset Lugs
8	Dual Row, .170 (4.32) Offset Lugs

Mounting Options [4,5]	Description
01	No Mounting Lugs
02	.128 (3.25) Dia. Mounting Holes
03	.116 (2.95) I.D. Floating Eyelets
04	.156 (3.96) Dia. Mounting Holes
07	M3-0.5 Metric Threaded Inserts
08	#4-40 Unified Threaded Inserts
12	.128 (3.25) Dia. Side Mounting Holes
58	.468 (11.89) Offset Card Guides
78	In-Line Card Guides 2.750 (69.85) Long
88	In-Line Card Guides 1.250 (31.75) Long

Ordering Code Notes

1) All connector sizes up to 72 contacts single row / 144 contacts dual row are available upon request.
2) The 500 contact code is only available in the 345 series. Green polyphenylene sulphide insulator material will be supplied.
3) For details of the extender board and 90 degree bends, refer to page 61.
4) For lugless connectors, code 01 mounting, specify contact row codes 1 or 2.
5) For details of the mounting options, refer to page 63.



CONNECTOR MOUNTING PATTERN

RECOMMENDED DAUGHTER BOARD

NUMBER OF CONTACTS		"A"		"B"		"C"		"D"		"E"	
Single	Dual	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
5	10	1.335	(33.91)	1.075	(27.31)	.760	(19.30)	.600	(15.24)	.400	(10.16)
10	20	1.835	(46.61)	1.575	(40.01)	1.260	(32.00)	1.100	(27.94)	.900	(22.86)
13	26	2.135	(54.23)	1.875	(47.63)	1.560	(39.62)	1.400	(35.56)	1.200	(30.48)
15	30	2.335	(59.31)	2.075	(52.71)	1.760	(44.70)	1.600	(40.64)	1.400	(35.56)
18	36	2.635	(66.93)	2.375	(60.33)	2.060	(52.32)	1.900	(48.26)	1.700	(43.18)
22	44	3.035	(77.09)	2.775	(70.49)	2.460	(62.48)	2.300	(58.42)	2.100	(53.34)
25	50	3.335	(84.71)	3.075	(78.11)	2.760	(70.10)	2.600	(66.04)	2.400	(60.96)
30	60	3.835	(97.41)	3.575	(90.81)	3.260	(82.80)	3.100	(78.74)	2.900	(73.66)
31	62	3.935	(99.95)	3.675	(93.35)	3.360	(85.34)	3.200	(81.28)	3.000	(76.20)
36	72	4.435	(112.65)	4.175	(106.05)	3.860	(98.04)	3.700	(93.98)	3.500	(88.90)
43	86	5.135	(130.43)	4.875	(123.83)	4.560	(115.82)	4.400	(111.76)	4.200	(106.68)
50	100	5.835	(148.21)	5.575	(141.61)	5.260	(133.60)	5.100	(129.54)	4.900	(124.46)
60	120	6.835	(173.61)	6.575	(167.01)	6.260	(159.00)	6.100	(154.94)	5.900	(149.86)
72	144	8.035	(204.09)	7.775	(197.49)	7.460	(189.48)	7.300	(185.42)	7.100	(180.34)

Dimensions of Other Connector Sizes are Listed

341/391 SERIES CARD EDGE CONNECTOR

.100" (2.54mm) Contact Spacing

FEATURES

- UL Recognized
- .100 (2.54) Contact Spacing x .140 (3.56) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- Low Profile Insulator Body, .437 (11.10)
- Contact Termination Options include P.C. Tail, Wire Hole & Extender Board Bends
- Single or Dual Row Configurations
- Variety of Mounting Options
- Accepts Between Contact and In-Contact Polarizing Keys

SPECIFICATIONS

- Insulator Material: Thermoplastic Polyester, UL 94V-0
- **Contact Material: Copper Alloy**
- Contact Plating: Gold on the Mating Area, Tin on the Contact Tails, Nickel Underplate
- Current Rating: 3 Amperes Continuous
- Contact Resistance: 10 Milliohms Maximum
- Dielectric Withstanding Voltage: 1200 V AC rms at Sea Level Between Adjacent Contacts
- Insulation Resistance: 5000 Megohms Minimum
- Operating Temperature: -65 to +105 Degrees C
- Insertion Force: 16 oz (4.45 N) Maximum per Contact Pair when Tested with a .070 (1.78) Thick Gauge
- Withdrawal Force: 1 oz (0.28 N) Minimum per Contact Pair when Tested with a .054 (1.37) Thick Gauge

341/391 SERIES ORDERING CODE

Example Part Number 341 - 062 - 520 - 2 02

- **Series**
- **Total Number of Contacts**
- **Contact Code**
- **Contact Rows**
- **Mounting Options**

Series	Insulator Colour
341	Green
391	Black

Total Number of Contacts [1]	Contact Rows
005, 006,...060	Single Row
010, 012,...120	Dual Row

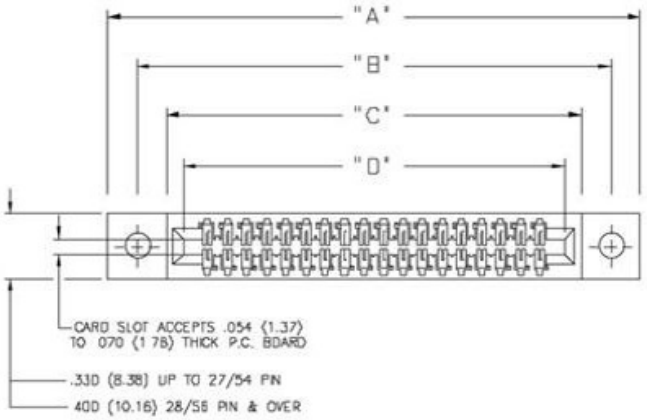
Contact Code [2,3]	Description & Tail Size	Tail Length "G"
500	Wire Hole .050 x .013 (1.27 x 0.33)	.220 (5.59)
520	P.C. Tail .025 x .013 (0.64 x 0.33)	.125 (3.18)
521	P.C. Tail .025 x .013 (0.64 x 0.33)	.260 (6.60)
522	P.C. Tail .025 x .013 (0.64 x 0.33)	.375 (9.53)
524	P.C. Tail .025 x .013 (0.64 x 0.33)	.100 (2.54)
555	Extender Board Bend (Code 500 Contacts)	
556	Extender Board Bend (Code 521 Contacts)	
560	Extender Board Bend (Code 522 Contacts)	

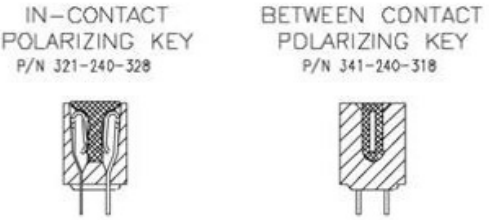
Contact Rows	Description
1	Single Row
2	Dual Row

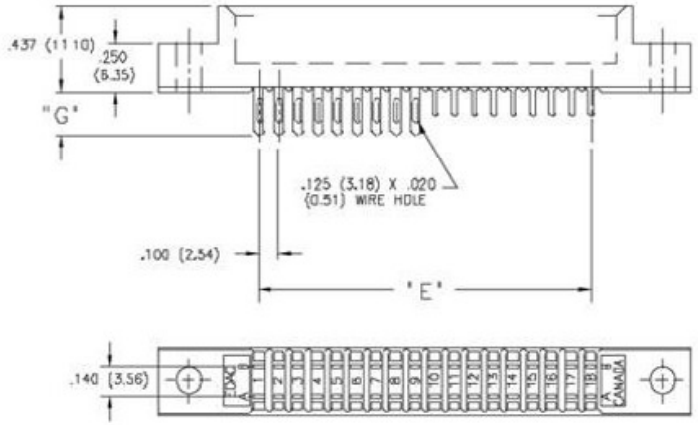
Mounting Options [4]	Description
01	No Mounting Lugs
02	.128 (3.25) Dia. Mounting Holes
03	.116 (2.95) I.D. Floating Eyelets
04	.156 (3.96) Dia. Mounting Holes
07	M3-0.5 Metric Threaded Inserts
08	#4-40 Unified Threaded Inserts

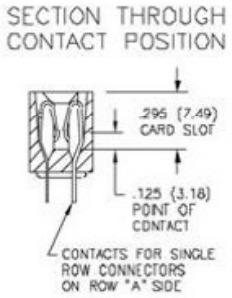
Ordering Code Notes

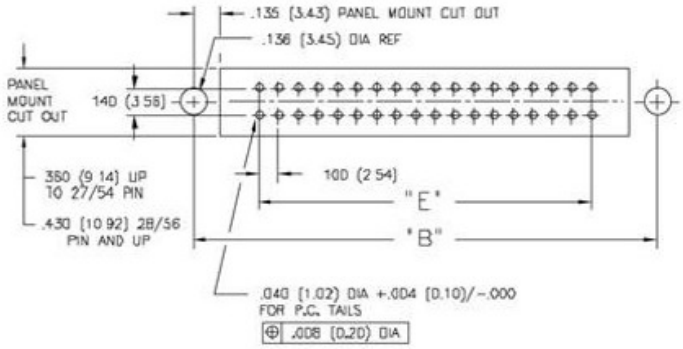
1) All connector sizes up to 60 contacts single row / 120 contacts dual row are available upon request.
2) The 500 contact code is only available in the 341 series. Green polyphenylene sulphide insulator material will be supplied.
3) For details of the extender board bends, refer to page 61.
4) For details of the mounting options, refer to page 63.



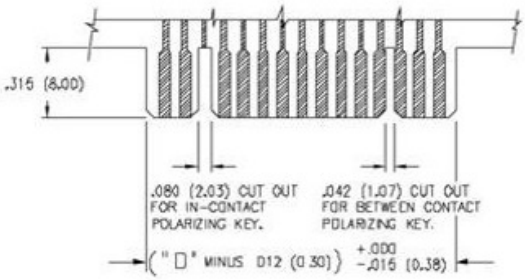








CONNECTOR MOUNTING PATTERN



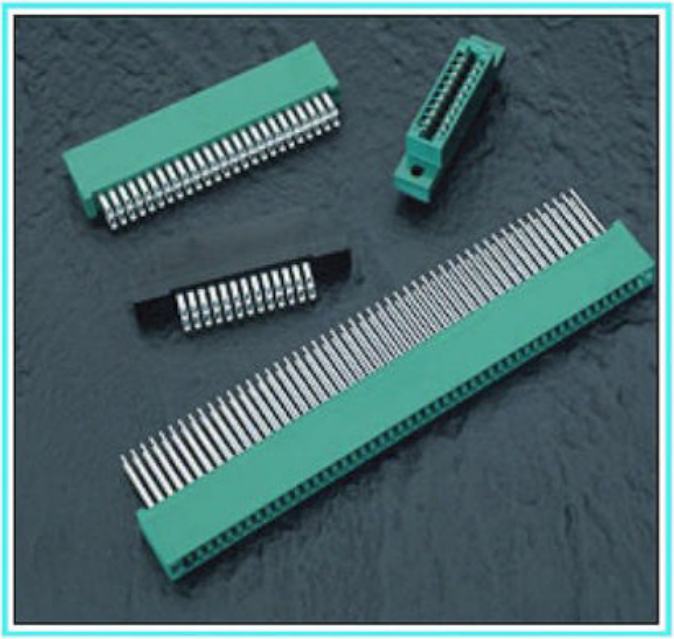
RECOMMENDED DAUGHTER BOARD

NUMBER OF CONTACTS		"A"		"B"		"C"		"D"		"E"	
Single	Dual	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
5	10	1.375	(34.93)	1.075	(27.31)	.775	(19.69)	.600	(15.24)	.400	(10.16)
6	12	1.475	(37.47)	1.175	(29.85)	.875	(22.23)	.700	(17.78)	.500	(12.70)
10	20	1.875	(47.63)	1.575	(40.01)	1.275	(32.39)	1.100	(27.94)	.900	(22.86)
15	30	2.375	(60.33)	2.075	(52.71)	1.775	(45.09)	1.600	(40.64)	1.400	(35.56)
18	36	2.675	(67.95)	2.375	(60.33)	2.075	(52.71)	1.900	(48.26)	1.700	(43.18)
22	44	3.075	(78.11)	2.775	(70.49)	2.475	(62.87)	2.300	(58.42)	2.100	(53.34)
25	50	3.375	(85.73)	3.075	(78.11)	2.775	(70.49)	2.600	(66.04)	2.400	(60.96)
28	56	3.675	(93.35)	3.375	(85.73)	3.075	(78.11)	2.900	(73.66)	2.700	(68.58)
30	60	3.875	(98.43)	3.575	(90.81)	3.275	(83.19)	3.100	(78.74)	2.900	(73.66)
36	72	4.475	(113.67)	4.175	(106.05)	3.875	(98.43)	3.700	(93.98)	3.500	(88.90)
40	80	4.875	(123.83)	4.575	(116.21)	4.275	(108.59)	4.100	(104.14)	3.900	(99.06)
43	86	5.175	(131.45)	4.875	(123.83)	4.575	(116.21)	4.400	(111.76)	4.200	(106.68)
50	100	5.875	(149.23)	5.575	(141.61)	5.275	(133.99)	5.100	(129.54)	4.900	(124.46)
60	120	6.875	(174.63)	6.575	(167.01)	6.275	(159.39)	6.100	(154.94)	5.900	(149.86)

Dimensions of Other Connector Sizes are Listed

342/392 SERIES CARD EDGE CONNECTOR

.100" (2.54mm) Contact Spacing



FEATURES

- UL Recognized
- .100 (2.54) Contact Spacing x .200 (5.08) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- High Profile Insulator Body, .590 (14.99)
- Contact Termination Options include P.C. Tail, Wire Hole, Wire Wrap, 90 Degree & Extender Board Bends
- Single or Dual Row Configurations
- Variety of Mounting Options
- Accepts Between Contact and In-Contact Polarizing Keys
- Design based on Requirements of HE 901 Specification

SPECIFICATIONS

- Insulator Material: Thermoplastic Polyester, UL 94V-0
- **Contact Material: Copper Alloy**
- Contact Plating: Gold on the Mating Area, Tin on the Contact Tails, Nickel Underplate
- Current Rating: 3 Amperes Continuous
- Contact Resistance: 10 Milliohms Maximum
- Dielectric Withstanding Voltage: 1200 V AC rms at Sea Level Between Adjacent Contacts
- Insulation Resistance: 5000 Megohms Minimum
- Operating Temperature: -65 to +105 Degrees C
- Insertion Force: 16 oz (4.45 N) Maximum per Contact Pair when Tested with a .070 (1.78) Thick Gauge
- Withdrawal Force: 1 oz (0.28 N) Minimum per Contact Pair when Tested with a .054 (1.37) Thick Gauge

342/392 SERIES ORDERING CODE

Example Part Number 342 - 100 - 541 - 2 02

- **Series**
- **Total Number of Contacts**
- **Contact Code**
- **Contact Rows**
- **Mounting Options**

Series	Insulator Colour
342	Green
392	Black

Total Number of Contacts [1]	Contact Rows
005, 006,...058	Single Row
010, 012,...116	Dual Row

Contact Code [2,3]	Description & Tail Size	Tail Length "G"
500	Wire Hole .050 x .025 (1.27 x 0.64)	.270 (6.86)
520	P.C. Tail .030 x .018 (0.76 x 0.46)	.185 (4.70)
521	P.C. Tail .025 Square (0.64 Square)	.160 (4.06)
523	P.C. Tail .025 Square (0.64 Square)	.400 (10.16)
524	P.C. Tail .018 Square (0.46 Square)	.185 (4.70)
540	Wire Wrap .025 Square (0.64 Square)	.570 (14.48)
541	Wire Wrap .025 Square (0.64 Square)	.760 (19.30)
542	Wire Wrap .025 Square (0.64 Square)	.655 (16.64)
544	Wire Wrap .050 x .025 (1.27 x 0.64)	.760 (19.30)
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)	

Contact Rows	Description
1	Single Row
2	Dual Row

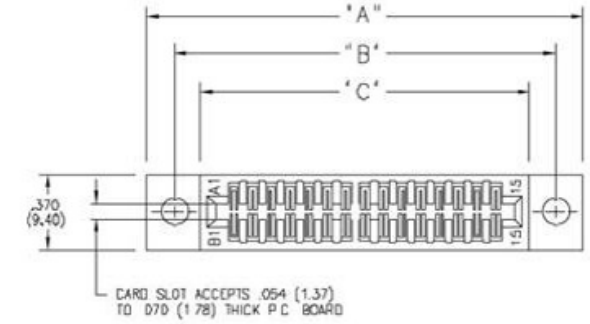
Mounting Options [4]	Description
01	No Mounting Lugs
02	.128 (3.25) Wide Mounting Slots
03	.116 (2.95) I.D. Floating Eyelets
04	.156 (3.96) Dia. Mounting Holes
07	M3-0.5 Metric Threaded Inserts
08	#4-40 Unified Threaded Inserts
12	.128 (3.25) Dia. Side Mounting Holes

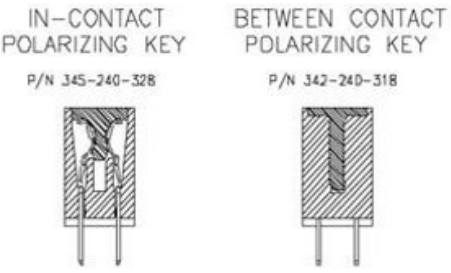
Ordering Code Notes

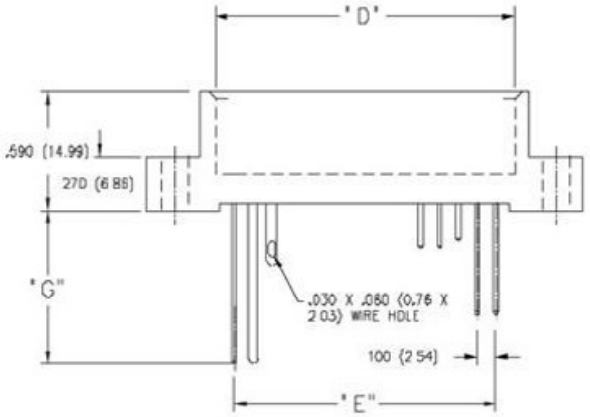
1) All connector sizes up to 58 contacts single row / 116 contacts dual row are available upon request.
2) The 500 contact code is only available in the 342 series. Green polyphenylene sulphide insulator material will be supplied.
3) For details of the extender board and 90 degree bends, refer to page 61.
4) For details of the mounting options, refer to page 63.

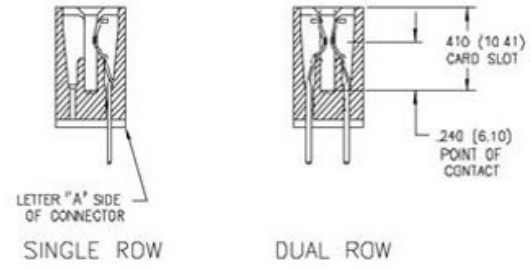
CARD EDGE CONNECTOR SERIES 342/392

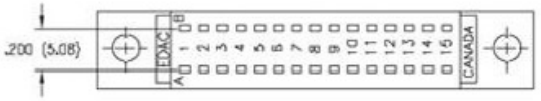
Contact Spacing .100" (2.54mm)

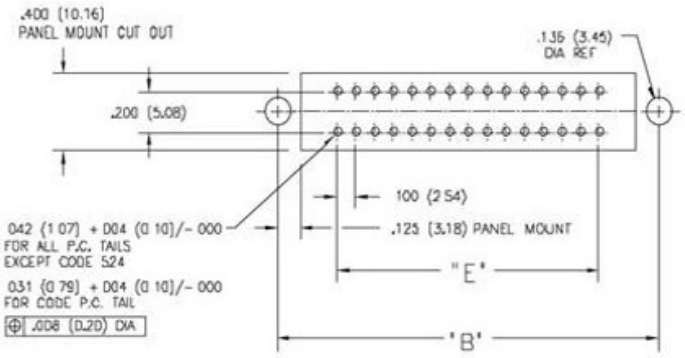




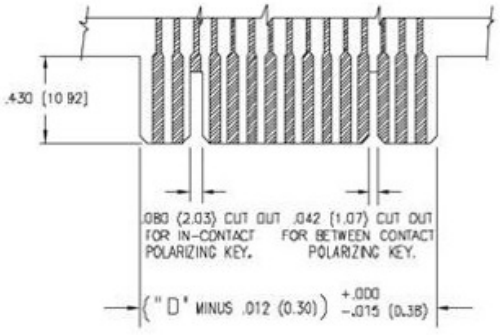








CONNECTOR MOUNTING PATTERN



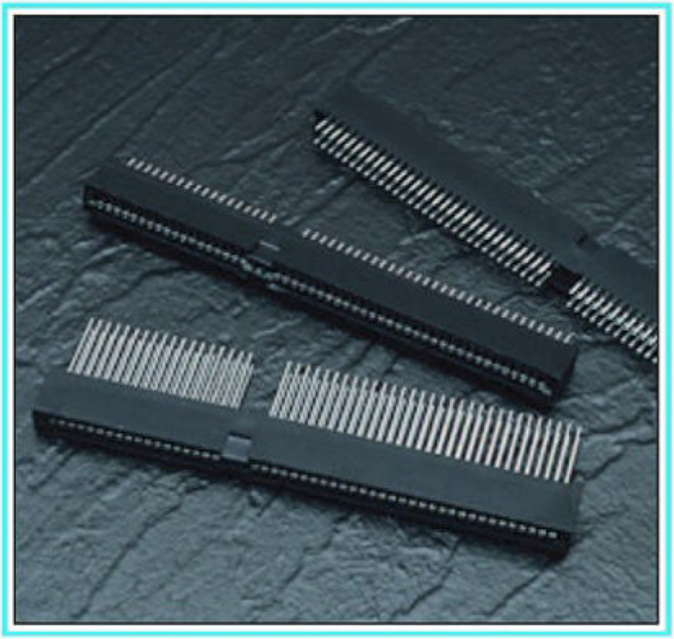
RECOMMENDED DAUGHTER BOARD

NUMBER OF CONTACTS		"A"		"B"		"C"		"D"		"E"	
Single	Dual	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
5	10	1.300	(33.02)	1.022	(25.96)	.746	(18.95)	.600	(15.24)	.400	(10.16)
10	20	1.800	(45.72)	1.522	(38.66)	1.246	(31.65)	1.100	(27.94)	.900	(22.86)
13	26	2.100	(53.34)	1.822	(46.28)	1.546	(39.27)	1.400	(35.56)	1.200	(30.48)
15	30	2.300	(58.42)	2.022	(51.36)	1.746	(44.35)	1.600	(40.64)	1.400	(35.56)
18	36	2.600	(66.04)	2.322	(58.98)	2.046	(51.97)	1.900	(48.26)	1.700	(43.18)
22	44	3.000	(76.20)	2.722	(69.14)	2.446	(62.13)	2.300	(58.42)	2.100	(53.34)
25	50	3.300	(83.82)	3.022	(76.76)	2.746	(69.75)	2.600	(66.04)	2.400	(60.96)
30	60	3.800	(96.52)	3.522	(89.46)	3.246	(82.45)	3.100	(78.74)	2.900	(73.66)
31	62	3.900	(99.06)	3.622	(92.00)	3.346	(84.99)	3.200	(81.28)	3.000	(76.20)
35	70	4.300	(109.22)	4.022	(102.16)	3.746	(95.15)	3.600	(91.44)	3.400	(86.36)
36	72	4.400	(111.76)	4.122	(104.70)	3.846	(97.69)	3.700	(93.98)	3.500	(88.90)
43	86	5.100	(129.54)	4.822	(122.48)	4.546	(115.47)	4.400	(111.76)	4.200	(106.68)
50	100	5.800	(147.32)	5.522	(140.26)	5.246	(133.25)	5.100	(129.54)	4.900	(124.46)
58	116	6.600	(167.64)	6.322	(160.58)	6.046	(153.57)	5.900	(149.86)	5.700	(144.78)

Dimensions of Other Connector Sizes are Listed

395 SERIES (98 PIN-AT) CARD EDGE CONNECTOR

.100" (2.54mm) Contact Spacing



395 SERIES (98 PIN-AT) ORDERING CODE

Example Part Number 395 - 098 - 520 - 300

- **Series** — 395
- **Total Number of Contacts** — 098
- **Contact Code** — See 345/395 Series for Available Contact Options and "G" Dimension. Code 500 Contact is Not Standard for 398-AT Connector
- **Variation Code** — 300 — **Description**: Card Slot Barrier Divides the 98 Contacts into Groups of 62 and 36

FEATURES

- CSA Approved and UL Recognized
- For IBM-AT Industry Standard Architecture
- .100 (2.54) Contact Spacing x .200 (5.08) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- High Profile Insulator Body, .600 (15.24), Divided into Groups of 62 and 36 Contacts
- Contact Termination Options include P.C. Tail, Wire Wrap, 90 Degree & Extender Board Bends
- Accepts Between Contact and In-Contact Polarizing Keys

SPECIFICATIONS

- Insulator Material: Thermoplastic Polyester, UL 94V-0, Colour: Black
- **Contact Material: Copper Alloy**
- Contact Plating: Gold on the Mating Area, Tin on the Contact Tails, Nickel Underplate
- Current Rating: 3 Amperes Continuous
- For Additional Specifications, Refer to 345/395 Series