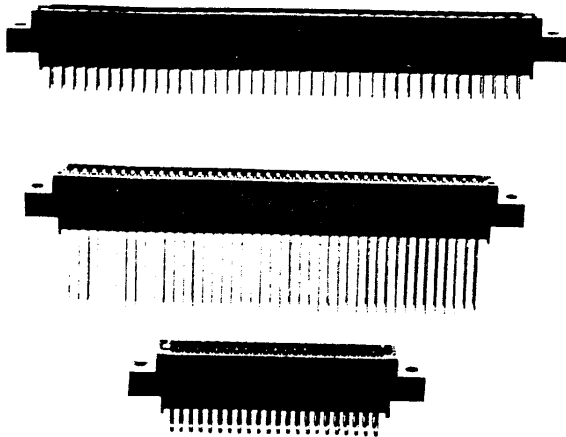


145147

.125" SERIES 346 CARD EDGE RECEPTACLE 3.18mm



SPECIFICATIONS

CURRENT RATING

3 Amperes

CONTACT MATERIAL

Copper, Nickel, Tin Alloy (CA725)

CONTACT PLATING

30 Microinches gold inlay on CA725

CONTACT RESISTANCE

6 Milliohms, Maximum

CONTACT DURABILITY

No mechanical or electrical degradation
(Minimum 500 insertions nominal gauge)

INSULATOR MATERIAL

Green Diallyl Phthalate, glass filled, flame resistant, per MIL-M-14F, Type SDG-F, or high impact, glass fibre filled, electrical grade Phenolic. Color: Black

INSULATION RESISTANCE

5000 Megohms at 500 V.D.C.

DIELECTRIC WITHSTANDING VOLTAGE

1500 Volts A.C. RMS between adjacent contacts at sea level

INSERTION AND WITHDRAWAL FORCE

Insertion force max. 10 oz. with .070" gauge
(2.78N) (1.78mm)
Withdrawal force min. 2 oz. with .054" gauge
(.56N) (1.37mm)

P.C. CARD SLOT

Accepts P.C. Boards .054" to .070" thick
(1.37mm to 1.78mm)

OPERATING TEMPERATURE

-65°C. to +125°C.

.250" ROW SPACING
(6.35mm)



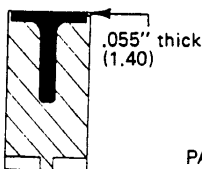
FEATURES

LR P.C. Tab and Solder Hole

- Insulators are made of Green Diallyl Phthalate or Black, high impact, electrical grade, glass fibre filled, Phenolic
- Available with .128" (3.25mm) dia. Mounting Holes for No. 4 Screw - With .156" (3.96mm) Mounting Holes for mounting Card Guides - With .116" (2.95mm) I.D. Floating Eyelets or with No. 4-40 or 3mm threaded inserts
- Gardner-Denver positioning holes at each end of Insulator to facilitate Automatic Wire Wrapping in high density applications
- .125" Contact spacing X .250" Row spacing, Pre-Loaded, Single Beam, Cantilever, Bifurcated Contacts
- Insertable, removable, 30 Micro-inches Gold inlay, Copper alloy Contacts
- 3 Styles of Terminals: Solder Tail, P.C. Tail, *Wire-Wrap Tail; .025" (.635mm) Square, .560" (14.22mm) or .750" (19.05mm) Long, Aligned for Automatic *Wire-Wrap
- Single and Dual Readout. Single Readout Tails normally provided on Even Numbered Side
- 3 inch (76.20mm) Card Guides Available for all sizes. 2 Types: In-Line and .468" (11.53mm) Offset
- Polarizing Between Contact and In Contact position
- Stocked in 35 sizes from 6/12 to 50/100. Flush or .170" (4.32mm) Offset either 400/500 variation or 600/800 variation in D.A.P. or Phenolic. See page 23 for stock availability
- Staggered Pin-Out, Right Angle Tail Terminations, and other Special Variations are Available. Consult Factory

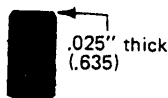
Wire-Wrap is a Registered Trade Mark of the Gardner-Denver Company.

BETWEEN CONTACT POSITIONS



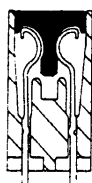
PART NUMBER
346-240-318
Insulator Style 8 & 6

POLARIZING INSERTS



PART NUMBER
306-240-318
Insulator Style
1, 2, 5 & 4

IN CONTACT POSITION



PART NUMBER
345-240-328

CONTACT INSERTION AND REMOVAL

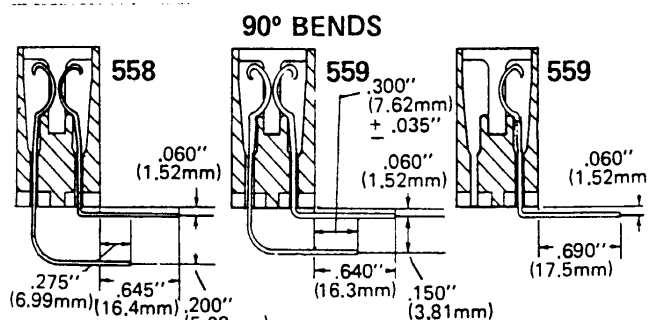
All 346 contacts are insertable and removable.
For contact removal tool specify Part No.
345-280-200

.125" SERIES ³⁴⁶/₃₉₆ CARD EDGE RECEPTACLE 3.18mm

Number of Contacts		A ± .015" (.38mm)		B ± .008" (.20mm)		C ± .015" (.38mm)		D ± .006" (.15mm)		E ± .005" (.13mm)		H ± .010" (.25mm)	
Single	Dual	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
6 ●	12	1.560	39.62	1.295	32.89	1.035	26.29	0.875	22.22	0.625	15.88	1.065	27.05
7 ●	14	1.685	42.80	1.420	36.07	1.160	29.46	1.000	25.40	0.750	19.05	1.190	30.23
8	16	1.810	45.97	1.545	39.24	1.285	32.64	1.125	28.58	0.875	22.22	1.315	33.40
9	18	1.935	49.15	1.670	42.42	1.410	35.81	1.250	31.75	1.000	25.40	1.440	36.58
10 ● X	20	2.060	52.32	1.795	45.59	1.535	38.99	1.375	34.93	1.125	28.58	1.565	39.75
11	22	2.185	55.50	1.920	48.77	1.660	41.16	1.500	38.10	1.250	31.75	1.690	42.93
12 ●	24	2.310	58.67	2.045	51.94	1.785	45.34	1.625	41.28	1.375	34.93	1.815	46.10
13 ●	26	2.435	61.85	2.170	55.12	1.910	48.51	1.750	44.45	1.500	38.10	1.940	49.28
14 ●	28	2.560	65.02	2.295	58.29	2.035	51.69	1.875	47.62	1.625	41.28	2.065	52.45
15 ● X	30	2.685	68.20	2.420	61.47	2.160	54.86	2.000	50.80	1.750	44.45	2.190	55.63
16	32	2.810	71.37	2.545	64.64	2.285	58.04	2.125	53.98	1.875	47.63	2.315	58.80
17	34	2.935	74.55	2.670	67.82	2.410	61.21	2.250	57.15	2.000	50.80	2.440	61.98
18 ● X	36	3.060	77.72	2.795	70.99	2.535	64.39	2.375	60.33	2.125	53.98	2.565	65.15
19	38	3.185	80.90	2.920	74.17	2.660	67.56	2.500	63.50	2.250	57.15	2.690	68.33
20 ●	40	3.310	84.07	3.045	77.34	2.785	70.74	2.625	66.68	2.375	60.33	2.815	71.50
21	42	3.435	87.25	3.170	80.52	2.910	73.91	2.750	69.85	2.500	63.50	2.940	74.68
22 ● X	44	3.560	90.42	3.295	83.69	3.035	77.09	2.875	73.03	2.625	66.68	3.065	77.85
23	46	3.685	93.60	3.420	86.87	3.160	80.26	3.000	76.20	2.750	69.85	3.190	81.03
24 ●	48	3.810	96.77	3.545	90.04	3.285	83.44	3.125	79.38	2.875	73.03	3.315	84.20
25 ● X	50	3.935	99.95	3.670	93.22	3.410	86.61	3.250	82.55	3.000	76.20	3.440	87.38
26	52	4.060	103.1	3.795	96.39	3.535	89.79	3.375	85.73	3.125	79.38	3.565	90.55
27 ● X	54	4.185	106.3	3.920	99.57	3.660	92.96	3.500	88.90	3.250	82.55	3.690	93.72
28 ● X	56	4.310	109.5	4.045	102.7	3.785	96.14	3.625	92.08	3.375	85.73	3.815	96.90
29	58	4.435	112.6	4.170	105.9	3.910	99.31	3.750	95.25	3.500	88.90	3.940	100.1
30 ● X	60	4.560	115.8	4.295	109.1	4.035	102.5	3.875	98.43	3.625	92.08	4.065	103.3
31	62	4.685	119.0	4.420	112.3	4.160	105.7	4.000	101.6	3.750	95.25	4.190	106.4
32	64	4.810	122.2	4.545	115.4	4.285	108.8	4.125	104.8	3.875	98.43	4.315	109.6
33 ●	66	4.935	125.3	4.670	118.6	4.410	112.0	4.250	108.0	4.000	101.6	4.440	112.8
34	68	5.060	128.5	4.795	121.8	4.535	115.2	4.375	111.1	4.125	104.8	4.565	116.0
35 ● X	70	5.185	131.7	4.920	125.0	4.660	118.4	4.500	114.3	4.250	108.0	4.690	119.1
36 ● X	72	5.310	134.9	5.045	128.1	4.785	121.5	4.625	117.5	4.375	111.1	4.815	122.3
37	74	5.435	138.0	5.170	131.3	4.910	124.7	4.750	120.7	4.500	114.3	4.940	125.5
38	76	5.560	141.2	5.295	134.5	5.035	127.9	4.875	123.8	4.625	117.5	5.065	128.7
39	78	5.685	144.3	5.420	137.7	5.160	131.1	5.000	127.0	4.750	120.7	5.190	131.8
40 ●	80	5.810	147.6	5.545	140.8	5.285	134.2	5.125	130.2	4.875	123.8	5.315	135.0
41	82	5.935	150.7	5.670	144.0	5.410	137.4	5.250	133.4	5.000	127.0	5.440	138.2
42	84	6.060	153.9	5.795	147.2	5.535	140.6	5.375	136.5	5.125	130.2	5.565	141.4
43 ● X	86	6.185	157.1	5.920	150.4	5.660	143.8	5.500	139.7	5.250	133.4	5.690	144.5
44 ●	88	6.310	160.3	6.045	153.5	5.785	146.9	5.625	142.9	5.375	136.5	5.815	147.7
45	90	6.435	163.4	6.170	156.7	5.910	150.1	5.750	146.1	5.500	139.7	5.940	150.9
46	92	6.560	166.6	6.295	159.9	6.035	153.3	5.875	149.2	5.625	142.9	6.065	154.1
47	94	6.685	169.8	6.420	163.1	6.160	156.5	6.000	152.4	5.750	146.0	6.190	157.2
48	96	6.810	173.0	6.545	166.2	6.285	159.6	6.125	155.6	5.875	149.2	6.315	160.4
49 ●	98	6.935	176.1	6.670	169.4	6.410	162.8	6.250	158.8	6.000	152.4	6.440	163.6
50 ● X	100	7.060	179.3	6.795	172.6	6.535	166.0	6.375	161.9	6.125	155.6	6.565	166.8

X 396 CONNECTORS INDICATED ARE STOCK
● 346 STOCK

OTHER VARIATIONS



Example: 86 pin, .200" spacing, Dual Readout, No Mounting Lugs
346-086-558-201

CONTACT VARIATIONS

Contacts On Odd Numbered Side
Contacts Staggered 1,4,5,8 etc.
Contacts Staggered 2,3,6,7 etc.

Example: 43 Pin Staggered, starting at 1, with P.C. Tail, No. 4-40 Threaded Insert, the ordering code is:
346-043-520-388

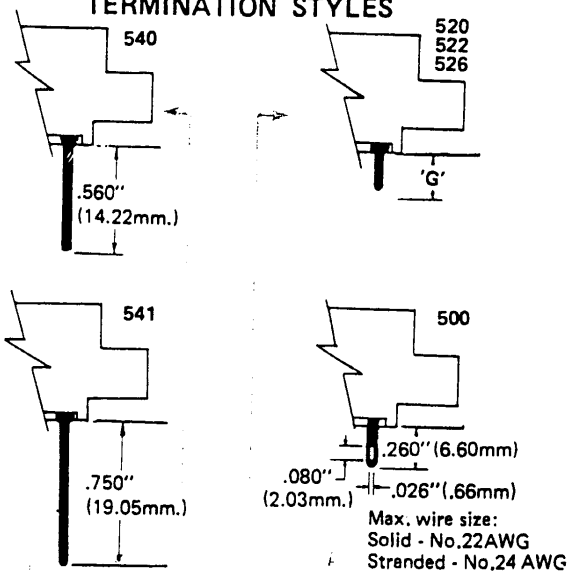
MOUNTING VARIATIONS

01	02	03	04	08
377	380	383	384	385
378	381	386	387	388
379	382	389	390	391

01 - No Mounting Lugs
02 - .128" Mounting Holes
03 - .116" Floating Eyelets
04 - .156" Mounting Holes
08 - No. 4-40 Threaded Inserts

.125" SERIES 346 CARD EDGE RECEPTACLE 3.18mm

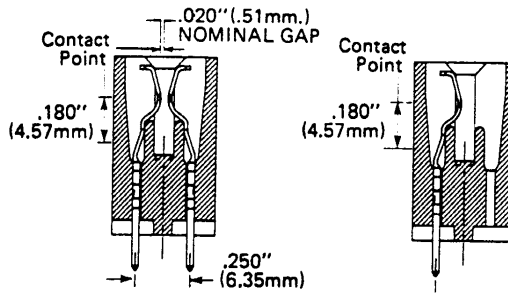
TERMINATION STYLES



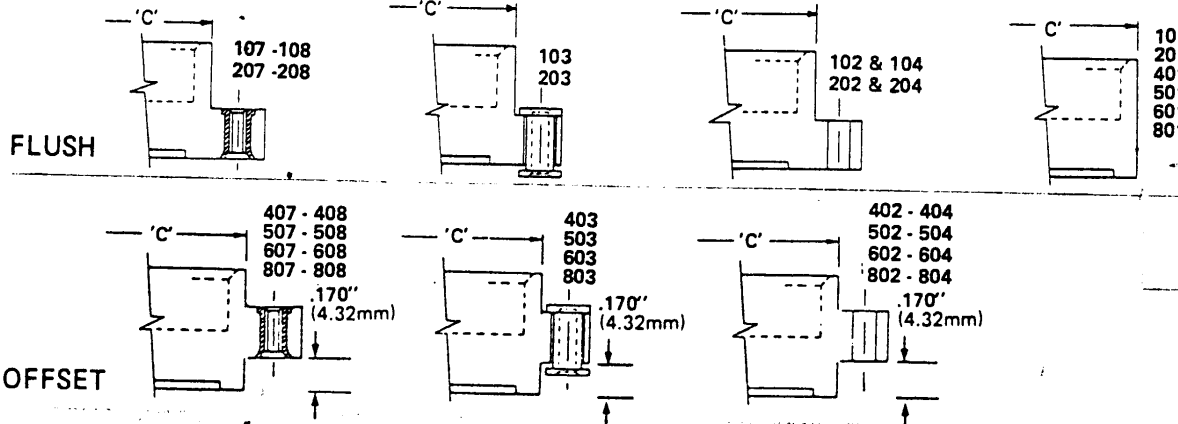
CONTACT ROWS

CROSS SECTION DOUBLE SIDED

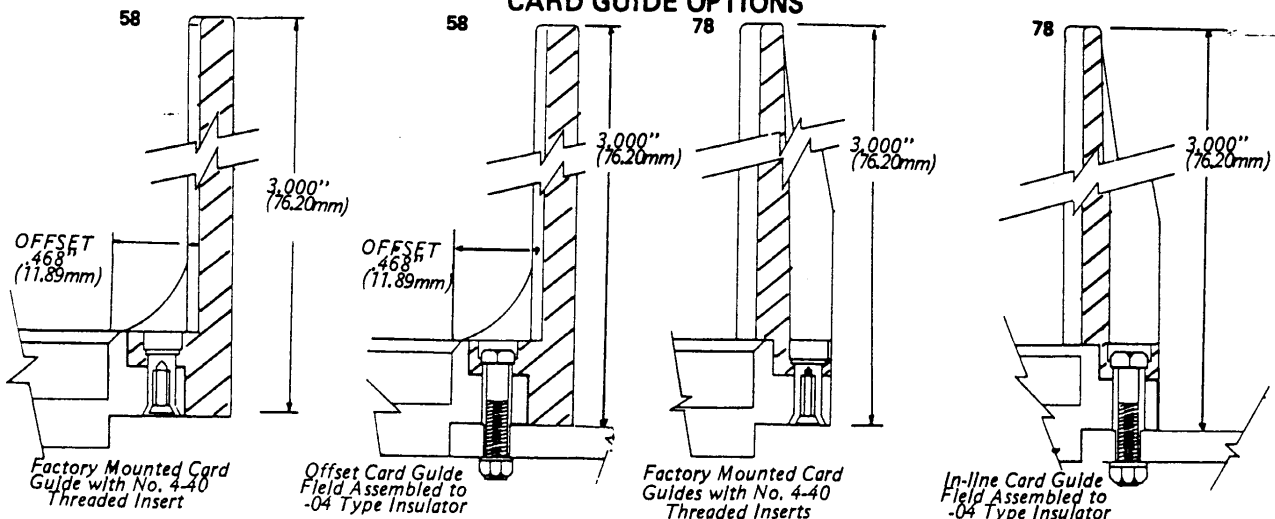
CROSS SECTION SINGLE SIDED



MOUNTING STYLES



CARD GUIDE OPTIONS



.125" SERIES 346 CARD EDGE RECEPTACLE 3.18mm

ORDERING CODE 346 100 520 802

SERIES 346 D.A.P.
396 Phenolic

NUMBER OF CONTACTS

SINGLE	DUAL
6	12
7	14
10	20
15	30
18	36
22	44
24	48
25	50
28	56
30	60
31	62
35	70
36	72
40	80
43	86
50	100

CONTACT CODE

CODE	DESCRIPTION	'G' Dimension*
500	Solder Hole .025 x .050"	.635 x 1.27mm
520	P.C. Tab .025" Square	.635mm Square
522	P.C. Tab .025" Square	.635mm Square
526	P.C. Tab .025" Square	.635mm Square
540	Wire Wrap* .025" Square	.635mm Square
541	Wire Wrap* .025" Square	.635mm Square

*Tolerance $\pm .02"$ (.51mm)

READOUT AND INSULATOR STYLE

1	Single Readout Flush Mounting
2	Dual Readout Flush Mounting
4	Single Readout Offset Mounting(.045" [1.14]Polarizing Slot)
5	Dual Readout Offset Mounting(.045" [1.14]Polarizing Slot)
6	Single Readout Offset Mounting(.064" [1.63]Polarizing Slot)
8	Dual Readout Offset Mounting(.064" [1.63]Polarizing Slot)

VARIATION CODE

CODE	DESCRIPTION
01	No Mounting Lugs
02	.128" dia. Mounting Holes
03	.116" I.D. Floating Eyelets
04	.156" dia. Mounting Holes
07	Threaded Inserts metric
08	No. 4-40 Threaded Inserts
58	Card Guides, Offset .468"
78	Card Guides, In-line

*Wire-Wrap is the registered Trade-Mark of Gardner-Denver Co.

For Special Variations, Extender Board Variations and 90° bends, see Page 135

MODULAR CARD GUIDE OPTIONS

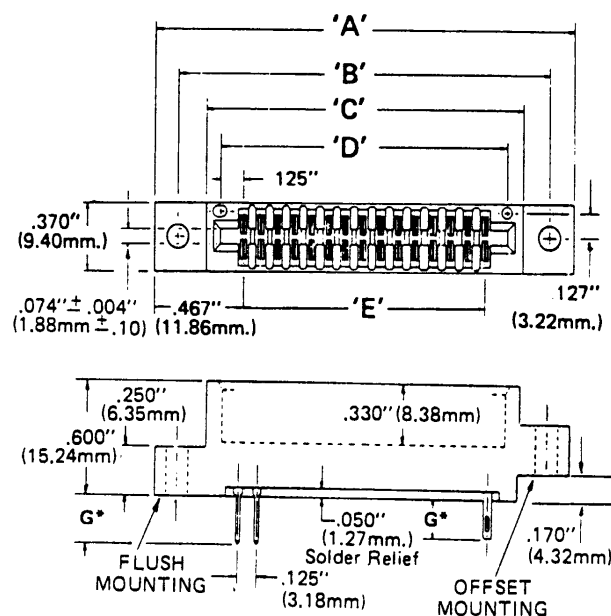
Card Guides are normally factory assembled. However, they may be ordered separately and mounted to the connector with .04 variation. A bushing, Part Number 345-250-442, a Hex or Round Head Screw 5/8" long, a nut and a washer, will hold the assembly to a 1/16" panel.

To order Card Guides separately, please specify:

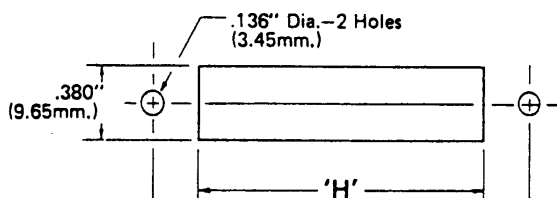
346-220-058 - Offset, .467" X 3.00" long

346-220-078 - In-line, 3" long

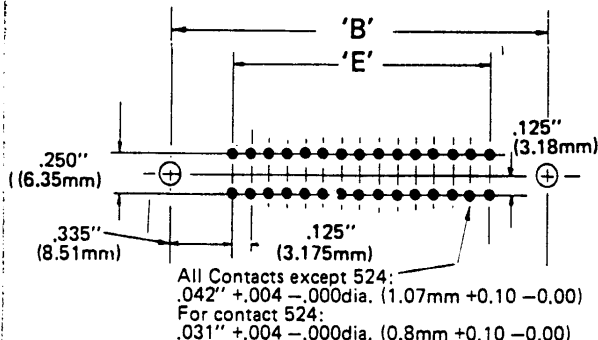
346 DIMENSIONAL DRAWINGS



STANDARD MOUNTING PATTERN



DUAL P.C. CONTACT PATTERN



P.C. BOARD PATTERNS

