

REV	DESCRIPTION	BY DATE	APPD
N	REVISED PER ECR-ER1364	CMB 09/22/06	CMB

NOTES:

- 1 WIN. EL., CATALOG NO & DATE CODE IN CONTRASTING COLOR LOCATED APPROXIMATELY AS SHOWN.
- 2 FOR CUT & BUTT ASSEMBLY, SEE DRAWING NO 27362 FOR ASSEMBLY INSTRUCTIONS INTO P.C. BOARD.
- 3 THESE DIMENSIONS APPLY AFTER PRESSED INTO P.C. BOARD.
- 4 ITEM 4 USED ONLY WITH TAIL LENGTH OPTIONS 2, 3 OR 4.
- 5 SEE DRAWING NO 27331 FOR PLATED THRU HOLE SPECIFICATIONS.

CODE ORDER CHART

NJ ** A

SELECTIVE PLATING

SELECTIVE PLATING CHART

Δ CODE	CONTACT AREA	C-PRESS COMPLIANT SECTION & TAIL
192	.000030 MIN GOLD OVER 0.00076 .000050 MICROINCHES MIN NICKEL UNDERPLATE	.000050 MIN TIN-LEAD 0.00127
195	.000030 MIN GOLD OVER 0.00076 .000050 MICROINCHES MIN NICKEL UNDERPLATE	GOLD FLASH
792	.000030 MIN GOLD OVER 0.00076 .000050 MICROINCHES MIN NICKEL UNDERPLATE	.000020 MIN PURE TIN 0.00060 (RoHS)

(CONSULT SALES FOR ADDITIONAL PLATING OPTIONS)

TAIL LENGTH

Δ CODE	(F DIM.)	(J REF DIM.)
1	.197 5.01	.025 0.64
2	.497 12.62	.325 8.26
3	.592 15.04	.420 10.67
4	.724 18.39	.552 14.02
5	.822 20.88	.650 16.51
7	.313 7.95	.141 3.58
8	.473 12.02	.303 7.70

SERIES _____
CONTINUOUS CARD COLLECTOR WITH NON-BIFURCATED CONTACTS

END CONFIGURATION _____

BLANK = NO OPEN END
S = ONE OPEN END

NO OF CONTACT PAIRS (POS.) _____


15 THRU 61

GRID SPACING _____

A = .100 X .100 / 2.54 X 2.54

CARD SLOT DEPTH _____

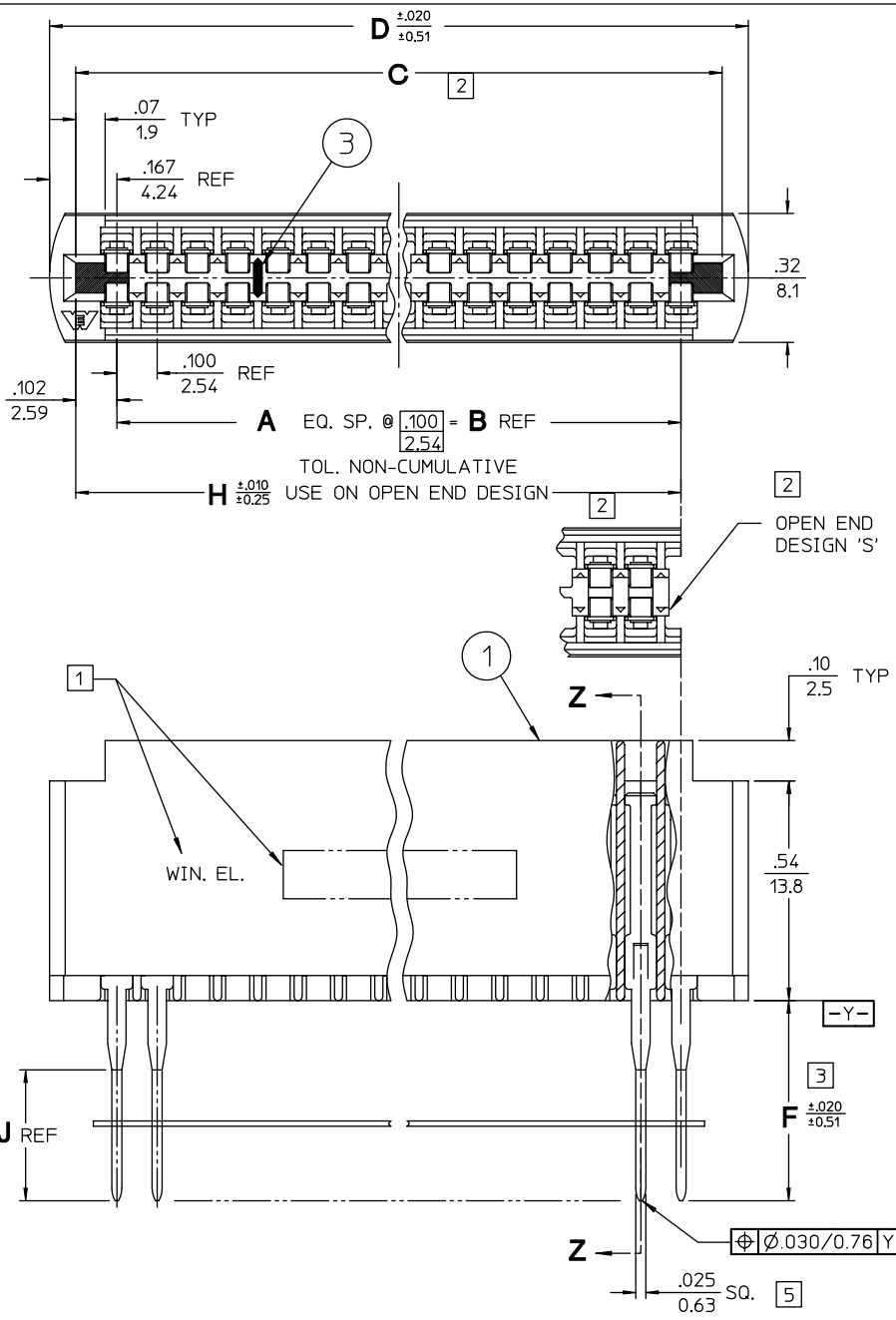
Δ CODE	(G DIM.)	DESCRIPTION
1	.415 10.54	STANDARD
2	.350 8.89	OPTION ON SHADED ENDS ONLY
3	.300 7.62	

PER ANSI Y14.5M-1982 UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES OR INCHES/MM		B	
TOLERANCES: DECIMALS: .XX ± .02 .XXX ± .007		MM	
ANGLES: ± 2°		SCALE: 4:1	
CUSTOMER DRAWING		 Winchester Electronics Corporation 62 Barnes Industrial Road North Wallingford, Connecticut 06492	
DRAWN THOMAS DATE 03/08/82		APPROVED JRM DATE 03/25/82	
APPROVED DATE		APPROVED E. ROMINE DATE 06/01/82	
C		TITLE EDGE CARD CONNECTOR, NJ & NJS SERIES (C-PRESS®) CONTINUOUS CARD COLLECTOR	
C		23841	
SHT. 1 OF 2		REV. N	

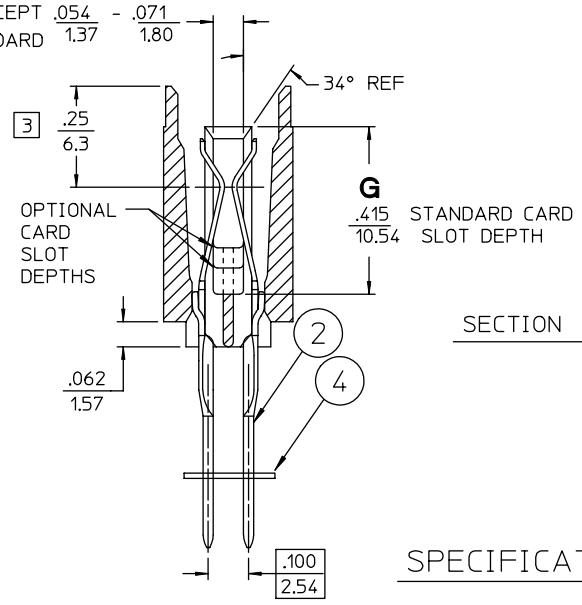
June 2006 - This drawing became the property of Winchester Electronics Corporation, Wallingford, CT.

NJ <input checked="" type="checkbox"/> 61AΔ <input type="checkbox"/> Δ	60	6.000 / 152.40	6.204 / 157.58	6.334 / 160.88	6.161 / 156.49
NJ <input checked="" type="checkbox"/> 60AΔ <input type="checkbox"/> Δ	59	5.900 / 149.86	6.104 / 155.04	6.234 / 158.34	6.061 / 153.95
NJ <input checked="" type="checkbox"/> 59AΔ <input type="checkbox"/> Δ	58	5.800 / 147.32	6.004 / 152.50	6.134 / 155.80	5.961 / 151.41
NJ <input checked="" type="checkbox"/> 58AΔ <input type="checkbox"/> Δ	57	5.700 / 144.78	5.904 / 149.96	6.034 / 153.26	5.861 / 148.87
NJ <input checked="" type="checkbox"/> 57AΔ <input type="checkbox"/> Δ	56	5.600 / 142.24	5.804 / 147.42	5.934 / 150.72	5.761 / 146.33
NJ <input checked="" type="checkbox"/> 56AΔ <input type="checkbox"/> Δ	55	5.500 / 139.70	5.704 / 144.88	5.834 / 148.18	5.661 / 143.79
NJ <input checked="" type="checkbox"/> 55AΔ <input type="checkbox"/> Δ	54	5.400 / 137.16	5.604 / 142.34	5.734 / 145.64	5.561 / 141.25
NJ <input checked="" type="checkbox"/> 54AΔ <input type="checkbox"/> Δ	53	5.300 / 134.62	5.504 / 139.80	5.634 / 143.10	5.461 / 138.71
NJ <input checked="" type="checkbox"/> 53AΔ <input type="checkbox"/> Δ	52	5.200 / 132.08	5.404 / 137.26	5.534 / 140.56	5.361 / 136.17
NJ <input checked="" type="checkbox"/> 52AΔ <input type="checkbox"/> Δ	51	5.100 / 129.54	5.304 / 134.72	5.434 / 138.02	5.261 / 133.63
NJ <input checked="" type="checkbox"/> 51AΔ <input type="checkbox"/> Δ	50	5.000 / 127.00	5.204 / 132.18	5.334 / 135.48	5.161 / 131.09
NJ <input checked="" type="checkbox"/> 50AΔ <input type="checkbox"/> Δ	49	4.900 / 124.46	5.104 / 129.64	5.234 / 132.94	5.061 / 128.55
NJ <input checked="" type="checkbox"/> 49AΔ <input type="checkbox"/> Δ	48	4.800 / 121.92	5.004 / 127.10	5.134 / 130.40	4.961 / 126.01
NJ <input checked="" type="checkbox"/> 48AΔ <input type="checkbox"/> Δ	47	4.700 / 119.38	4.904 / 124.56	5.034 / 127.86	4.861 / 123.47
NJ <input checked="" type="checkbox"/> 47AΔ <input type="checkbox"/> Δ	46	4.600 / 116.84	4.804 / 122.02	4.934 / 125.32	4.761 / 120.93
NJ <input checked="" type="checkbox"/> 46AΔ <input type="checkbox"/> Δ	45	4.500 / 114.30	4.704 / 119.48	4.834 / 122.78	4.661 / 118.39
NJ <input checked="" type="checkbox"/> 45AΔ <input type="checkbox"/> Δ	44	4.400 / 111.76	4.604 / 116.94	4.734 / 120.24	4.561 / 115.85
NJ <input checked="" type="checkbox"/> 44AΔ <input type="checkbox"/> Δ	43	4.300 / 109.22	4.504 / 114.40	4.634 / 117.70	4.461 / 113.31
NJ <input checked="" type="checkbox"/> 43AΔ <input type="checkbox"/> Δ	42	4.200 / 106.68	4.404 / 111.86	4.534 / 115.16	4.361 / 110.77
NJ <input checked="" type="checkbox"/> 42AΔ <input type="checkbox"/> Δ	41	4.100 / 104.14	4.304 / 109.32	4.434 / 112.62	4.261 / 108.23
NJ <input checked="" type="checkbox"/> 41AΔ <input type="checkbox"/> Δ	40	4.000 / 101.60	4.204 / 106.78	4.334 / 110.08	4.161 / 105.69
NJ <input checked="" type="checkbox"/> 40AΔ <input type="checkbox"/> Δ	39	3.900 / 99.06	4.104 / 104.24	4.234 / 107.54	4.061 / 103.15
NJ <input checked="" type="checkbox"/> 39AΔ <input type="checkbox"/> Δ	38	3.800 / 96.52	4.004 / 101.70	4.134 / 105.00	3.961 / 100.61
NJ <input checked="" type="checkbox"/> 38AΔ <input type="checkbox"/> Δ	37	3.700 / 93.98	3.904 / 99.16	4.034 / 102.46	3.861 / 98.07
NJ <input checked="" type="checkbox"/> 37AΔ <input type="checkbox"/> Δ	36	3.600 / 91.44	3.804 / 96.62	3.934 / 99.92	3.761 / 95.53
NJ <input checked="" type="checkbox"/> 36AΔ <input type="checkbox"/> Δ	35	3.500 / 88.90	3.704 / 94.08	3.834 / 97.38	3.661 / 92.99
NJ <input checked="" type="checkbox"/> 35AΔ <input type="checkbox"/> Δ	34	3.400 / 86.36	3.604 / 91.54	3.734 / 94.84	3.561 / 90.45
NJ <input checked="" type="checkbox"/> 34AΔ <input type="checkbox"/> Δ	33	3.300 / 83.82	3.504 / 89.00	3.634 / 92.30	3.461 / 87.91
NJ <input checked="" type="checkbox"/> 33AΔ <input type="checkbox"/> Δ	32	3.200 / 81.28	3.404 / 86.46	3.534 / 89.76	3.361 / 85.37
NJ <input checked="" type="checkbox"/> 32AΔ <input type="checkbox"/> Δ	31	3.100 / 78.74	3.304 / 83.92	3.434 / 87.22	3.261 / 82.83
NJ <input checked="" type="checkbox"/> 31AΔ <input type="checkbox"/> Δ	30	3.000 / 76.20	3.204 / 81.38	3.334 / 84.68	3.161 / 80.29
NJ <input checked="" type="checkbox"/> 30AΔ <input type="checkbox"/> Δ	29	2.900 / 73.66	3.104 / 78.84	3.234 / 82.14	3.061 / 77.75
NJ <input checked="" type="checkbox"/> 29AΔ <input type="checkbox"/> Δ	28	2.800 / 71.12	3.004 / 76.30	3.134 / 79.60	2.961 / 75.21
NJ <input checked="" type="checkbox"/> 28AΔ <input type="checkbox"/> Δ	27	2.700 / 68.58	2.904 / 73.76	3.034 / 77.06	2.861 / 72.67
NJ <input checked="" type="checkbox"/> 27AΔ <input type="checkbox"/> Δ	26	2.600 / 66.04	2.804 / 71.22	2.934 / 74.52	2.761 / 70.13
NJ <input checked="" type="checkbox"/> 26AΔ <input type="checkbox"/> Δ	25	2.500 / 63.50	2.704 / 68.68	2.834 / 71.98	2.661 / 67.59
NJ <input checked="" type="checkbox"/> 25AΔ <input type="checkbox"/> Δ	24	2.400 / 60.96	2.604 / 66.14	2.734 / 69.44	2.561 / 65.05
NJ <input checked="" type="checkbox"/> 24AΔ <input type="checkbox"/> Δ	23	2.300 / 58.42	2.504 / 63.60	2.634 / 66.90	2.461 / 62.51
NJ <input checked="" type="checkbox"/> 23AΔ <input type="checkbox"/> Δ	22	2.200 / 55.88	2.404 / 61.06	2.534 / 64.36	2.361 / 59.97
NJ <input checked="" type="checkbox"/> 22AΔ <input type="checkbox"/> Δ	21	2.100 / 53.34	2.304 / 58.52	2.434 / 61.82	2.261 / 57.43
NJ <input checked="" type="checkbox"/> 21AΔ <input type="checkbox"/> Δ	20	2.000 / 50.80	2.204 / 55.98	2.334 / 59.28	2.161 / 54.89
NJ <input checked="" type="checkbox"/> 20AΔ <input type="checkbox"/> Δ	19	1.900 / 48.26	2.104 / 53.44	2.234 / 56.74	2.061 / 52.35
NJ <input checked="" type="checkbox"/> 19AΔ <input type="checkbox"/> Δ	18	1.800 / 45.72	2.004 / 50.90	2.134 / 54.20	1.961 / 49.81
NJ <input checked="" type="checkbox"/> 18AΔ <input type="checkbox"/> Δ	17	1.700 / 43.18	1.904 / 48.36	2.034 / 51.66	1.861 / 47.27
NJ <input checked="" type="checkbox"/> 17AΔ <input type="checkbox"/> Δ	16	1.600 / 40.64	1.804 / 45.82	1.934 / 49.12	1.761 / 44.73
NJ <input checked="" type="checkbox"/> 16AΔ <input type="checkbox"/> Δ	15	1.500 / 38.10	1.704 / 43.28	1.834 / 46.58	1.661 / 42.19
NJ <input checked="" type="checkbox"/> 15AΔ <input type="checkbox"/> Δ	14	1.400 / 35.56	1.604 / 40.74	1.734 / 44.04	1.561 / 39.65
CATALOG NO	A	B	C	D	H

REV	DESCRIPTION	BY DATE	APPD
N	REVISED PER ECR-ER1364	BNB 09/09/96	BNB



TO ACCEPT $.054 - .071$
P.C. BOARD $1.37 \quad 1.80$



SPECIFICATIONS
MATERIALS

- 1 Insulator _____ Glass filled Polyester Thermoplastic, UL Rated 94 V-0, Color: Natural
- 2 Contact _____ Copper Nickel Tin Alloy #725, Finish: See Selective Plating Chart
- 3 Polarizing Key _____ Glass filled Nylon, Color: Black ORDER UNDER CATALOG NO 109-101665
- 4 Contact Tip Control Strip _____ Mylar

PERFORMANCE CHARACTERISTICS

- Contact resistance _____ 11 milliohms max.
- Insulation resistance _____ 5,000 megohms min.
- Current rating _____ 1 amp @ 70° C, 3 amps @ 20° C
- Operating temperature range _____ -55° C to +105° C
- Daughtercard _____ .054 " to .071 "
- Maximum insertion force (compliant area) _____ 40 lb. per contact
- Minimum retention force (compliant area) _____ 10 lb. per contact
- Maximum insertion force (upper beam) _____ 16 oz. per opposing pair
- Maximum withdrawal force (upper beam) _____ 1 oz. per opposing pair

CATALOG NO NJ**A12Δ SHOWN

PER ASME Y14.5M-1994 UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES OR INCHES/MM TOLERANCES: DECIMALS: XX ± $\frac{.02}{63}$.XXX ± $\frac{.007}{6.35}$ ANGLES: ± 2° SCALE: 4:1		Winchester Electronics Winchester Electronics Corporation 62 Barnes Industrial Road North Wallingford, Connecticut 06492
CUSTOMER DRAWING		TITLE EDGECARD CONNECTOR, NJ & NJS SERIES (C-PRESS®) CONTINUOUS CARD COLLECTOR
DRAWN <i>Danna</i>	DATE <i>03/16/93</i>	APPROVED DATE
APPROVED	DATE	APPROVED DATE
C		23841 SHT. 2 OF 2 REV. N

June 2006 - This drawing became the property of Winchester Electronics Corporation, Wallingford, CT.