



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

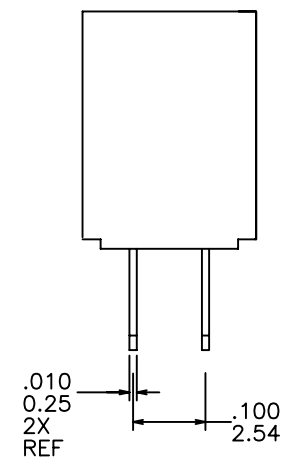
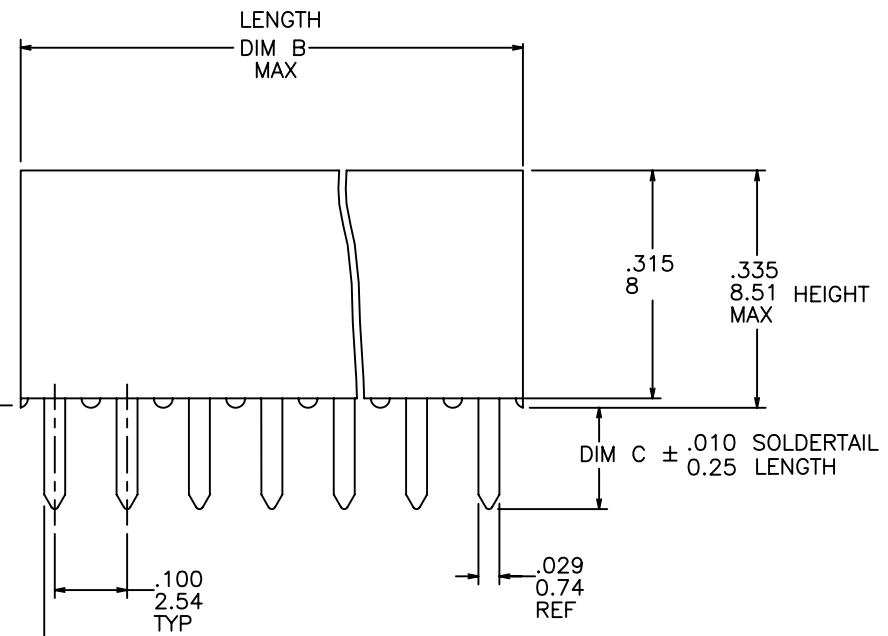
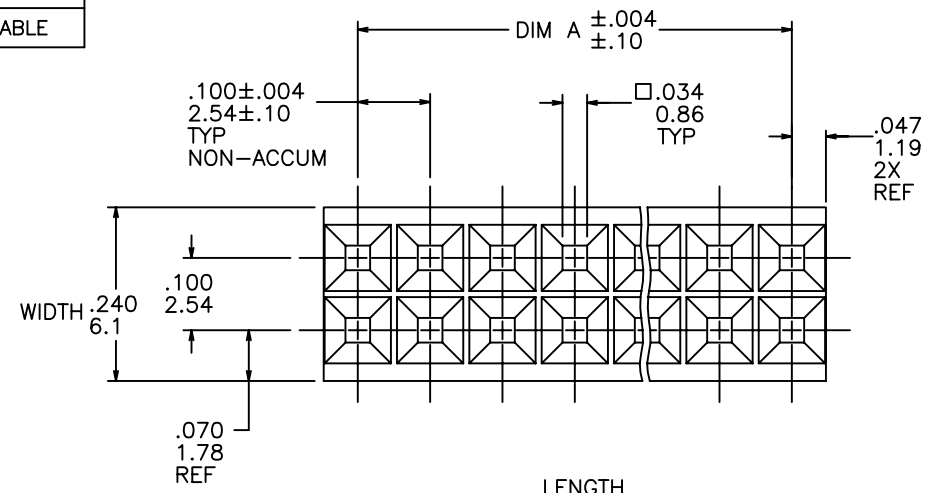
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PRODUCT NO.
SEE TABLE



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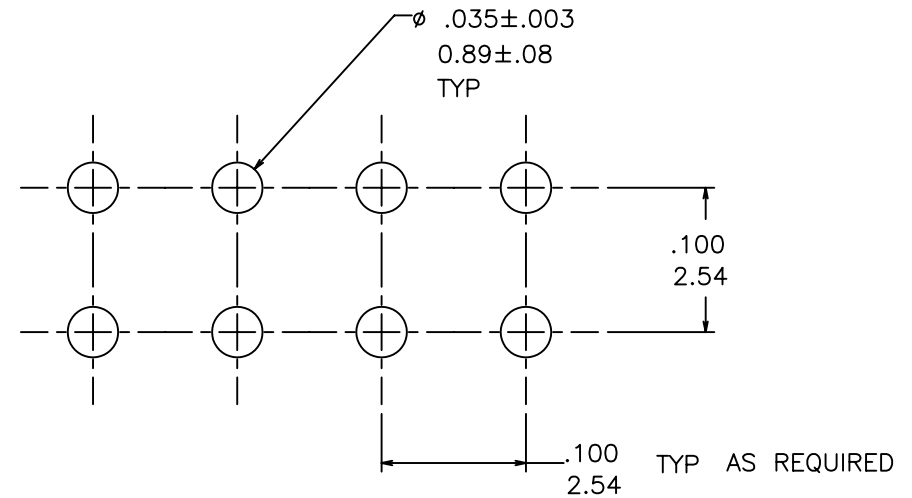
mat'l. code SEE NOTE 1 & 2		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family CARD CONN
ltr	ecn no	dr	date	title	
W	ELX-N-1389	DCS	2013-01-28	VERT. CARD CONNECTOR	
X	ELX-N-1441	DCS	2013-03-05	.100/2.54 CTR., DBL ROW	
S	v03-1072	LP	9/25/03	dr	M.CLOUSER 3/25/94
T	M05-0216	ERE	10/11/05	enr	H. SUNDY 3/25/94
U	M06-0210	MHT	6/03/06	chr	H. SUNDY 3/25/94
V	M07-0143	ERE	03/03/07	app	H. SUNDY 3/25/94
sheet	revision	X	X	X	X
index	sheet	1	2	3	4



dwg no 65781 sheet 1 of 6 size A3
type Product Customer Drawing

PRODUCT NO.

SEE TABLE



RECOMMENDED HOLE PATTERN
SCALE 4:1

NOTES:

- ① HOUSING MAT'L: FILLED POLYESTER.
FLAME RETARDANT PER UL 94V-0.
COLOR: BLACK.
- ② TERMINAL MATERIAL AND PLATING: SEE TABULATION.
- 3. RECOMMENDED PIN SIZE: $.025 \pm .001 / .64 \pm .03$ SQUARE.
RECOMMENDED PIN LENGTH: $.210 \pm .020 / 5.33 \pm .51$.
- 4. MARK FCI PART NUMBER AND DATE CODE LEGIBLE
ON TUBE LABEL.
- ⑤ ADD "LF" SUFFIX AT THE END OF PART NUMBER
FOR LEAD FREE OPTION.
- ⑥ THESE PRODUCTS MEET EUROPEAN UNION DIRECTIVES
AND OTHER COUNTRY REGULATIONS AS DESCRIBED
IN GS-22-008.
- 7. THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK
TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER,
INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
- ⑧ "THIS PRODUCT HAS 100% TIN PLATING IN THE
INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER
GROWTH IN ALL INTERCONNECT ENVIRONMENTS."



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mat'l. code		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family CARD CONN
ltr	ecn no	dr	date	title	
X				INCH/MM	VERT. CARD CONNECTOR .100/2.54 CTR., DBL ROW
			angles	linear	scale 4:1
			$0^\circ \pm 2'$		
		dr	M.CLOUSER	3/25/94	dwg no
		enr	H. SUNDY	3/25/94	sheet 2 of 6
		chr	H. SUNDY	3/25/94	size
		app	H. SUNDY	3/25/94	A3
sheet index	revision sheet				type Product Customer Drawing

PRODUCT NUMBER	SIZE	DIM A	DIM B	MATERIAL AND PLATING	DIM C	LEAD FREE OPTION	
65781-001				UNASSIGNED			
-002	2X2	.100 / 2.54	.200 / 5.08	BODY MAT'L: BRASS BODY PLATING: 40u"/1.02u MIN THICK C.I. GOLD INSIDE CONTACT AREA, 2u"/.051u GOLD FLASH MIN ON REST OF TERMINAL BODY, OVER 50u"/ 1.27u MIN NICKEL SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: GOLD FLASH	.140/3.56		
-003	2X3	.200 / 5.08	.300 / 7.62				
-004	2X4	.300 / 7.62	.400 / 10.16				
-005	2X5	.400 / 10.16	.500 / 12.70				
-006	2X6	.500 / 12.70	.600 / 15.24				
-007	2X7	.600 / 15.24	.700 / 17.78				
-008	2X8	.700 / 17.78	.800 / 20.32				
-009	2X9	.800 / 20.32	.900 / 22.86				
-010	2X10	.900 / 22.86	1.000 / 25.40				
-011	2X11	1.000 / 25.40	1.100 / 27.94				
-012	2X12	1.100 / 27.94	1.200 / 30.48				
-013	2X13	1.200 / 30.48	1.300 / 33.02				
-014	2X14	1.300 / 33.02	1.400 / 35.56				
-015	2X15	1.400 / 35.56	1.500 / 38.10				
-016	2X16	1.500 / 38.10	1.600 / 40.64				
-017	2X17	1.600 / 40.64	1.700 / 43.18				
-018	2X18	1.700 / 43.18	1.800 / 45.72				
-019	2X19	1.800 / 45.72	1.900 / 48.26				
-020	2X20	1.900 / 48.26	2.000 / 50.80				
-021	2X21	2.000 / 50.80	2.100 / 53.34				
-022	2X22	2.100 / 53.34	2.200 / 55.88				
-023	2X23	2.200 / 55.88	2.300 / 58.42				
-024	2X24	2.300 / 58.42	2.400 / 60.96				
-025	2X25	2.400 / 60.96	2.500 / 63.50				
-026	2X26	2.500 / 63.50	2.600 / 66.04				
-027	2X27	2.600 / 66.04	2.700 / 68.58				
-028	2X28	2.700 / 68.58	2.800 / 71.12				
-029	2X29	2.800 / 71.12	2.900 / 73.66				
-030	2X30	2.900 / 73.66	3.000 / 76.20				
-031	2X31	3.000 / 76.20	3.100 / 78.74				
-032	2X32	3.100 / 78.74	3.200 / 81.28		BODY MAT'L: BRASS BODY PLATING: 40u"/1.02u MIN THICK C.I. GOLD INSIDE CONTACT AREA, 2u"/.051u GOLD FLASH MIN ON REST OF TERMINAL BODY, OVER 50u"/ 1.27u MIN NICKEL SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: GOLD FLASH		
-033	2X33	3.200 / 81.28	3.300 / 83.82				
-034	2X34	3.300 / 83.82	3.400 / 86.36				
-035	2X35	3.400 / 86.36	3.500 / 88.90				
65781-036	2X36	3.500 / 88.90	3.600 / 91.44			.140/3.56	NOTE 5,6

OBS

NOTE 5,6

NOTE 5,6



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mat'l. code		surface	tolerance	projection	product family
ISO 1302		ISO 406	ISO 1101		CARD CONN
tolerances unless otherwise specified				INCH/MM	title
linear				scale 4:1	VERT. CARD CONNECTOR .100/2.54 CTR., DBL ROW
angles					dwg no
0'±2'					sheet 3 of 6 size
dr		M.CLOUSER	3/25/94		65781
enr		H. SUNDY	3/25/94		A3
chr		H. SUNDY	3/25/94		
app		H. SUNDY	3/25/94		
sheet index	revision sheet	type Product Customer Drawing			

PRODUCT NUMBER	SIZE	DIM A	DIM B	MATERIAL AND PLATING	DIM C	LEAD FREE OPTION
65781-037				UNASSIGNED		
-038	2X2	.100 / 2.54	.200 / 5.08	BRASS 100u"/2.54u THICK SN PLATE SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: 30u"/76u MIN ELECTROLESS TIN	.140/3.56	OBS NOTES 5,6,8
-039	2X3	.200 / 5.08	.300 / 7.62			
-040	2X4	.300 / 7.62	.400 / 10.16			
-041	2X5	.400 / 10.16	.500 / 12.70			
-042	2X6	.500 / 12.70	.600 / 15.24			
-043	2X7	.600 / 15.24	.700 / 17.78			
-044	2X8	.700 / 17.78	.800 / 20.32			
-045	2X9	.800 / 20.32	.900 / 22.86			
-046	2X10	.900 / 22.86	1.000 / 25.40			
-047	2X11	1.000 / 25.40	1.100 / 27.94			
-048	2X12	1.100 / 27.94	1.200 / 30.48			
-049	2X13	1.200 / 30.48	1.300 / 33.02			
-050	2X14	1.300 / 33.02	1.400 / 35.56			
-051	2X15	1.400 / 35.56	1.500 / 38.10			
-052	2X16	1.500 / 38.10	1.600 / 40.64			
-053	2X17	1.600 / 40.64	1.700 / 43.18			
-054	2X18	1.700 / 43.18	1.800 / 45.72			
-055	2X19	1.800 / 45.72	1.900 / 48.26			
-056	2X20	1.900 / 48.26	2.000 / 50.80			
-057	2X21	2.000 / 50.80	2.100 / 53.34			
-058	2X22	2.100 / 53.34	2.200 / 55.88			
-059	2X23	2.200 / 55.88	2.300 / 58.42			
-060	2X24	2.300 / 58.42	2.400 / 60.96			
-061	2X25	2.400 / 60.96	2.500 / 63.50			
-062	2X26	2.500 / 63.50	2.600 / 66.04			
-063	2X27	2.600 / 66.04	2.700 / 68.58			
-064	2X28	2.700 / 68.58	2.800 / 71.12			
-065	2X29	2.800 / 71.12	2.900 / 73.66			
-066	2X30	2.900 / 73.66	3.000 / 76.20			
-067	2X31	3.000 / 76.20	3.100 / 78.74			
-068	2X32	3.100 / 78.74	3.200 / 81.28			
-069	2X33	3.200 / 81.28	3.300 / 83.82			
-070	2X34	3.300 / 83.82	3.400 / 86.36			
-071	2X35	3.400 / 86.36	3.500 / 88.90			
65781-072	2X36	3.500 / 88.90	3.600 / 91.44		.140/3.56	NOTES 5,6,8

mat'l. code		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family CARD CONN
ltr	ecn no	dr	date	title	
X				VERT. CARD CONNECTOR .100/2.54 CTR., DBL ROW	
				INCH/MM	
				scale 4:1	
		dr	M.CLOUSER 3/25/94	dwg no sheet 4 of 6 size	
		enr	H. SUNDY 3/25/94	65781 A3	
		chr	H. SUNDY 3/25/94	type Product Customer Drawing	
		app	H. SUNDY 3/25/94		
sheet index	revision sheet				

PRODUCT NUMBER	SIZE	DIM A	DIM B	MATERIAL AND PLATING	DIM C	LEAD FREE OPTION
65781-073				UNASSIGNED		
-074	2X2	.100 / 2.54	.200 / 5.08	BODY MAT'L: Cu Ni 10u"/.25u Au FLASH INSIDE BODY CONTACT AREA ONLY WITH .001/.03 MIN HIGH GOLD DOT. SPRING PLATING: GOLD FLASH SPRING MAT'L: BeCu HEAT TREAT	.140/3.56	NOTE 5,6
-075	2X3	.200 / 5.08	.300 / 7.62			
-076	2X4	.300 / 7.62	.400 / 10.16			
-077	2X5	.400 / 10.16	.500 / 12.70			
-078	2X6	.500 / 12.70	.600 / 15.24			
-079	2X7	.600 / 15.24	.700 / 17.78			
-080	2X8	.700 / 17.78	.800 / 20.32			
-081	2X9	.800 / 20.32	.900 / 22.86			
-082	2X10	.900 / 22.86	1.000 / 25.40			
-083	2X11	1.000 / 25.40	1.100 / 27.94			
-084	2X12	1.100 / 27.94	1.200 / 30.48			
-085	2X13	1.200 / 30.48	1.300 / 33.02			
-086	2X14	1.300 / 33.02	1.400 / 35.56			
-087	2X15	1.400 / 35.56	1.500 / 38.10			
-088	2X16	1.500 / 38.10	1.600 / 40.64			
-089	2X17	1.600 / 40.64	1.700 / 43.18			
-090	2X18	1.700 / 43.18	1.800 / 45.72			
-091	2X19	1.800 / 45.72	1.900 / 48.26			
-092	2X20	1.900 / 48.26	2.000 / 50.80			
-093	2X21	2.000 / 50.80	2.100 / 53.34			
-094	2X22	2.100 / 53.34	2.200 / 55.88			
-095	2X23	2.200 / 55.88	2.300 / 58.42			
-096	2X24	2.300 / 58.42	2.400 / 60.96			
-097	2X25	2.400 / 60.96	2.500 / 63.50			
-098	2X26	2.500 / 63.50	2.600 / 66.04			
-099	2X27	2.600 / 66.04	2.700 / 68.58			
-100	2X28	2.700 / 68.58	2.800 / 71.12			
-101	2X29	2.800 / 71.12	2.900 / 73.66			
-102	2X30	2.900 / 73.66	3.000 / 76.20			
-103	2X31	3.000 / 76.20	3.100 / 78.74			
-104	2X32	3.100 / 78.74	3.200 / 81.28			
-105	2X33	3.200 / 81.28	3.300 / 83.82			
-106	2X34	3.300 / 83.82	3.400 / 86.36			
-107	2X35	3.400 / 86.36	3.500 / 88.90			
65781-108	2X36	3.500 / 88.90	3.600 / 91.44	BODY MAT'L: Cu Ni 10u"/.25u Au FLASH INSIDE BODY CONTACT AREA ONLY WITH .001/.03 MIN HIGH GOLD DOT. SPRING PLATING: GOLD FLASH SPRING MAT'L: BeCu HEAT TREAT	.140/3.56	NOTE 5,6



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mat'l. code		surface	tolerance	projection	product family
		ISO 1302 ✓	ISO 406		CARD CONN
			ISO 1101		
ltr	ecn no	dr	date	title	
X				VERT. CARD CONNECTOR	
				.100/2.54 CTR., DBL ROW	
				scale 4:1	
		dr	M.CLOUSER 3/25/94	dwg no sheet 5 of 6 size	
		enr	H. SUNDY 3/25/94	65781 A3	
		chr	H. SUNDY 3/25/94	type Product Customer Drawing	
		app	H. SUNDY 3/25/94		
sheet index	revision sheet				



PRODUCT NUMBER	SIZE	DIM A	DIM B	MATERIAL AND PLATING	DIM C	LEAD FREE OPTION
65781-149	2X5	.400/10.16	.500/12.70	BRASS 100u"/2.54u THICK SN PLATE SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: 30u"/76u MIN ELECTROLESS TIN	.115/2.92	NOTES 5,6,8
65781-151	2X7	.600/15.24	.700/17.78		.115/2.92	
65781-152	2X8	.700/17.78	.800/20.32		.115/2.92	
65781-153	2X13	1.200 / 30.48	1.300 / 33.02	CONTACT BODY MATERIAL: BRASS CONTACT BODY PLATING: 30u"/0.76u MIN GOLD INSIDE CONTACT AREA AND GOLD FLASH ON TAILS OVER 50u"/1.27u MIN NICKEL SPRING MATERIAL: BeCu HEAT TREATED SPRING PLATING: GOLD FLASH ON CONTACT AREA	.140/3.56	NOTE 5,6
65781-154	2X15	1.400 / 35.56	1.500 / 38.10		.140/3.56	
65781-155	2X17	1.600 / 40.64	1.700 / 43.18		.140/3.56	
65781-156	2X18	1.700 / 43.18	1.800 / 45.72		.140/3.56	
65781-157	2X20	1.900 / 48.26	2.000 / 50.80		.140/3.56	
65781-158	2X30	2.900 / 73.66	3.000 / 76.20		.140/3.56	
65781-159	2X10	.900 / 22.86	1.000 / 25.40		.140/3.56	
65781-160	2X5	.400 / 10.16	.500 / 12.70		.140/3.56	



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mat'l. code		surface	tolerance	projection	product family
		ISO 1302 ✓	ISO 406 ISO 1101		CARD CONN
ltr	ecn no	dr	date	title	
X				VERT. CARD CONNECTOR .100/2.54 CTR., DBL ROW	
		angles	linear	INCH/MM	
		0'±2'	.XX±.01/.X±.3 .XXX±.0.005/.XX±.13 .XXXX±.0020/.XXXX.051	scale 4:1	
dr	M.CLOUSER	3/25/94	FCJ		
enr	H. SUNDY	3/25/94	dwg no sheet 6 of 6 size		
chr	H. SUNDY	3/25/94	65781 A3		
appd	H. SUNDY	3/25/94	type Product Customer Drawing		
sheet index	revision sheet				