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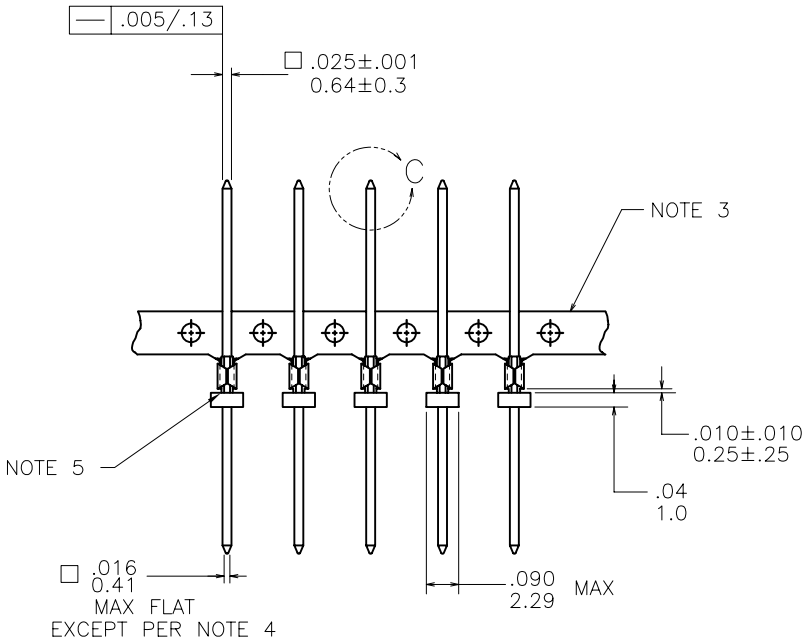
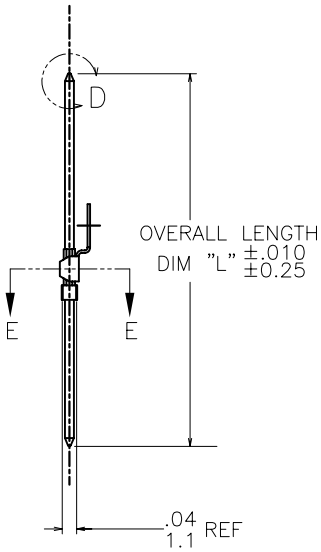
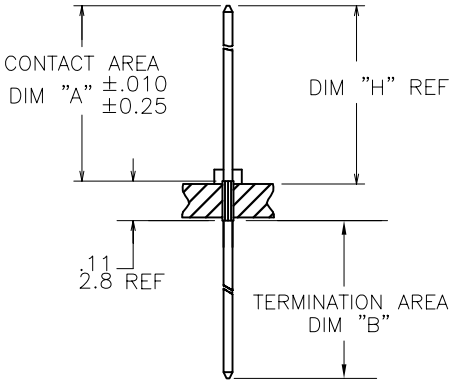
PRODUCT NUMBER
SEE TABLE







SECTION THRU PC BOARD

mat'l. code	surface	tolerance	projection	product family
SEE NOTE 1	ASME Y14.5	ASME Y14.5		PIN PRODUCTS

ltr	ecn no	dr	date
L	V01594	JRW	2000-07-13
M	V02315	LSS	2000-09-13
N	V06-0682	JRV	2006-07-19
P	V08-0354	HTB	2008-08-26

tolerances unless otherwise specified

angles	linear
0° ±2°	.XX±.01/.X±.3
	.XXX±.005/.XX±.13
	.XXXX±.0020/.XXX±.051

INCH/MM

scale 2:1

dr	M. CORNMAN	1991-02-07	
engr	S. AURAND	1991-02-07	
chr	S. AURAND	1991-02-07	
appd	S. AURAND	1991-02-07	

title: BERGPIN® .200"[5.08]cc .041"[1.04] DIA., .110"[2.79] LONG STAR WITH SOLDER WASHER

dwg no 76644 | sheet 1 of 4 | size A4

type CUSTOMER Drawing

sheet index	revision	P	P	P	P
	sheet	1	2	3	4

form: A4mmXLc

PDM: Rev:P STATUS Released Printed: Jul 14, 2012

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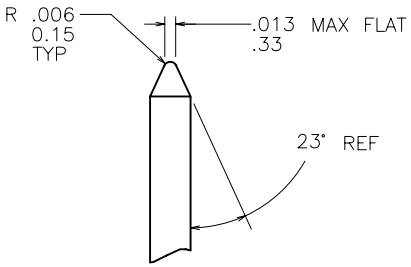
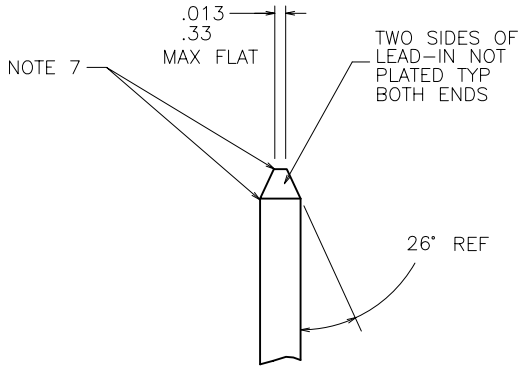
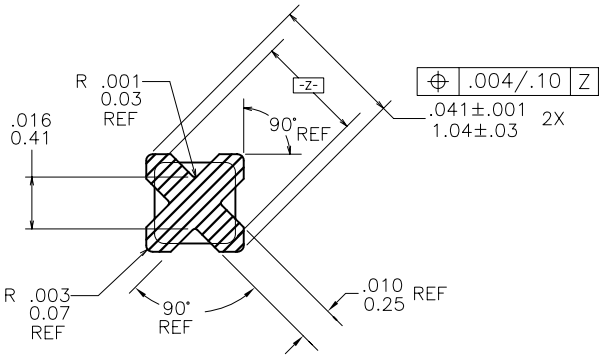
PRODUCT NUMBER
SEE TABLE



DETAIL C
SCALE: 10/1
TYP BOTH ENDS



DETAIL D
SCALE: 10/1
TYP BOTH ENDS



SECTION E-E
SCALE: 20/1
(FERRULE REMOVED)

NOTES:

1. PIN MATERIAL: 3/4 HARD PHOS BRONZE
   ASTM B-159-66
2. SEE PRODUCT SPECIFICATION BUS-12-064 FOR P.C. BOARD HOLE DIAMETER AND P.C. BOARD PLATING INFORMATION.
3. FOR MANUFACTURING PURPOSES ONLY.
4. DOUBLE ENDED PINS AS MARKED MUST MEET SPECS IN VIEWS C AND D ON BOTH ENDS. OTHERS TO HAVE .016 [0.41] MAX DIM ON BOTTOM END OF PIN.
5. SOLDER MAY BULGE IN THIS AREA BUT WILL NOT TOUCH FERRULE.
6. "A" DIM. IS TO FEATURE ON PIN.
   "H" DIM. IS ABOVE BOARD.
   "B" DIM. IS TO FEATURE ON PIN.
7. BURNISH MARKS ON PIN PERMITTED.
   BURR: .003 [0.08] MAX, BULGE: .0005 [.013] MAX TYP.

mat'l. code: SEE NOTE 1	surface: ASME Y14.5	tolerance: ASME Y14.5	projection	product family: PIN PRODUCTS
ltr / ecn no / dr / date: P	tolerances unless otherwise specified			title: BERGPIN® .200"[5.08]cc .041"[1.04] DIA., .110"[2.79] LONG STAR WITH SOLDER WASHER
	angles: 0° ±2°	linear: XX±.01/.X±.3; .XXX±.005/.XX±.13; .XXXX±.0020/.XXX±.051	INCH/MM	
			scale 1:1	
	dr: M. CORNMAN 1991-02-06			dwg no: 76644 sheet 2 of 4 size A4
	engr: S. AURAND 1991-02-06			
	chr: S. AURAND 1991-02-06			type: CUSTOMER Drawing
	appd: S. AURAND 1991-02-06			
sheet index / revision sheet				

form: A4mmXLc

PDM: Rev:P STATUS Released Printed: Jul 14, 2012

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PRODUCT NUMBER	CONTACT AREA		TERM. AREA		DIM H FOR .093/2.36 BOARD		DIM H FOR .125/3.18 BOARD		OVERALL LENGTH		
	DIM A	DIM A	DIM B	DIM B					DIM L	DIM L	
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	NOTE 4
76644-X01	0.240	6.10	0.040	1.02	0.248	6.30	0.232	5.89	0.390	9.91	–
76644-X02	0.270	6.86	0.040	1.02	0.278	7.06	0.262	6.65	0.420	10.67	–
76644-X03	0.245	6.22	0.073	1.85	0.253	6.43	0.237	6.02	0.430	10.92	–
76644-X04	0.290	7.37	0.040	1.02	0.298	7.57	0.282	7.16	0.440	11.18	–
76644-X05	0.310	7.87	0.040	1.02	0.318	8.08	0.302	7.67	0.460	11.68	–
76644-X06	0.330	8.38	0.040	1.02	0.338	8.59	0.322	8.18	0.480	12.19	–
76644-X07	0.335	8.51	0.055	1.40	0.343	8.71	0.327	8.31	0.500	12.70	–
76644-X08	0.310	7.87	0.090	2.29	0.318	8.08	0.302	7.67	0.510	12.95	YES
76644-X09	0.365	9.27	0.042	1.07	0.373	9.47	0.357	9.07	0.517	13.13	–
76644-X10	0.310	7.87	0.120	3.05	0.318	8.08	0.302	7.67	0.540	13.72	YES
76644-X11	0.390	9.91	0.040	1.02	0.398	10.11	0.382	9.70	0.540	13.72	–
76644-X12	0.450	11.43	0.040	1.02	0.458	11.63	0.442	11.23	0.600	15.24	–
76644-X13	0.365	9.27	0.135	3.43	0.373	9.47	0.357	9.07	0.610	15.49	YES
76644-X14	0.468	11.89	0.042	1.07	0.476	12.09	0.460	11.68	0.620	15.75	–
76644-X15	0.658	16.71	0.042	1.07	0.666	16.92	0.650	16.51	0.810	20.57	–
76644-X16	0.720	18.29	0.040	1.02	0.728	18.49	0.712	18.08	0.870	22.10	–
76644-X17	0.275	6.99	0.255	6.48	0.283	7.19	0.267	6.78	0.640	16.26	YES
76644-X18	0.365	9.27	0.055	1.40	0.373	9.47	0.357	9.07	0.530	13.46	–
76644-X19	0.403	10.24	0.315	8.00	0.411	10.44	0.395	10.03	0.828	21.03	YES
76644-X20	0.591	15.01	0.315	8.00	0.599	15.21	0.583	14.81	1.016	25.81	YES
76644-X21	0.275	6.99	0.179	4.55	0.283	7.19	0.267	6.78	0.564	14.33	YES
76644-X22	0.585	14.86	0.240	6.10	0.593	15.06	0.577	14.66	0.940	23.88	YES
76644-X23	0.190	4.83	0.045	1.14	0.198	5.03	0.182	4.62	0.345	8.76	–
76644-X24	0.535	13.59	0.045	1.14	0.543	13.79	0.527	13.39	0.690	17.53	–
76644-X25	0.358	9.09	0.382	9.70	0.366	9.30	0.350	8.89	0.850	21.59	–
76644-X26	0.585	14.86	0.355	9.02	0.593	15.06	0.577	14.66	1.050	26.67	–
76644-X27			UNASSIGNED								
76644-X28			UNASSIGNED								
76644-X29	0.715	18.16	0.337	8.56	0.723	18.36	0.707	17.96	1.162	29.51	–
76644-X30	0.485	12.32	0.105	2.67	0.493	12.52	0.477	12.12	0.700	17.78	YES

PART NUMBER	PLATING	UNDERPLATING
76644-1YY	30µ" [0.76µ] MIN Au	50µ" [1.27µ] MIN Ni
76644-2YY	UNASSIGNED	
76644-3YY	50µ" [1.27µ] MIN Au	50µ" [1.27µ] MIN Ni
76644-4YY	120µ" [3.05µ] MIN 93/7 SnPb	50µ" [1.27µ] MIN Ni
76644-5YY	30µ" [0.76µ] MIN GXT™	50µ" [1.27µ] MIN Ni
76644-6YY	15µ" [0.38µ] MIN GXT™	50µ" [1.27µ] MIN Ni
76644-7YY	UNASSIGNED	
76644-8YY	UNASSIGNED	
76644-9YY	15µ" [0.38µ] MIN Au	50µ" [1.27µ] MIN Ni

mat'l. code: SEE NOTE 1

surface: ASME Y14.5

tolerance: ASME Y14.5

projection

product family: PIN PRODUCTS

ltr	ecn no	dr	date
P			

tolerances unless otherwise specified

angles: 0° ±2°

linear: .XX±.01/.X±.3; .XXX±.005/.XX±.13; .XXXX±.0020/.XXX±.051

INCH/MM

scale 1:1

title: BERGPIN® .200"[5.08]cc .041"[1.04] DIA., .110"[2.79] LONG STAR WITH SOLDER WASHER

dr	T. BREWBAKER	1996-07-29
engr	L. FYE	1996-07-29
chr	T. BREWBAKER	1996-07-29
appd	L. FYE	1996-07-29

dwg no: 76644

sheet 3 of 4

size: A4

type: CUSTOMER Drawing

sheet index | revision sheet

form: A4mmXLc

PDM: Rev:P STATUS Released Printed: Jul 14, 2012

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PRODUCT NUMBER	CONTACT AREA		TERM. AREA		DIM H FOR .093/2.36 BOARD		DIM H FOR .125/3.18 BOARD		OVERALL LENGTH		
	DIM A	DIM A	DIM B	DIM B					DIM L	DIM L	
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	NOTE 4
76644-X31	0.585	14.86	0.105	2.67	0.593	15.06	0.577	14.66	0.800	20.32	YES
76644-X32	0.258	6.55	0.052	1.32	0.266	6.76	0.250	6.35	0.420	10.67	–
76644-X33	0.360	9.14	0.040	1.02	0.368	9.35	0.352	8.94	0.510	12.95	–
76644-X34	0.430	10.92	0.040	1.02	0.438	11.13	0.422	10.72	0.580	14.73	–
76644-X35	0.470	11.94	0.460	11.68	0.478	12.14	0.462	11.73	1.040	26.42	YES
76644-X36	0.310	7.87	0.270	6.86	0.318	8.08	0.302	7.67	0.690	17.53	YES
76644-X37	0.408	10.36	0.042	1.07	0.416	10.57	0.400	10.16	0.560	14.22	–
76644-X38	0.188	4.78	0.042	1.07	0.196	4.98	0.180	4.57	0.340	8.64	–
76644-X39	0.590	14.99	0.040	1.02	0.598	15.19	0.582	14.78	0.740	18.80	–
76644-X40	0.248	6.30	0.042	1.07	0.256	6.50	0.240	6.10	0.400	10.16	–
76644-X41	0.268	6.81	0.142	3.61	0.276	7.01	0.260	6.60	0.520	13.21	–
76644-X42	0.310	7.87	0.170	4.32	0.318	8.08	0.302	7.67	0.590	14.99	–
76644-X43	0.268	6.81	0.212	5.38	0.278	7.06	0.262	6.65	0.590	14.99	–
76644-X44	0.340	8.64	0.130	3.30	0.348	8.84	0.332	8.43	0.580	14.73	–
76644-X45	0.300	7.62	0.340	8.64	0.308	7.82	0.292	7.42	0.750	19.05	YES
76644-X46	0.300	7.62	0.610	15.49	0.308	7.82	0.292	7.42	1.020	25.91	YES
76644-X47	0.330	8.38	0.370	9.40	0.338	8.59	0.322	8.18	0.810	20.57	YES
76644-X48	0.680	17.27	0.360	9.14	0.688	17.48	0.672	17.07	1.150	29.21	YES
76644-X49	0.560	55.00	0.040	1.02	0.568	14.43	0.552	14.02	0.710	18.03	–
76644-X50	0.690	17.53	0.040	1.02	0.698	17.73	0.682	17.32	0.840	21.34	–
76644-X51	0.567	14.40	0.256	6.50	0.575	14.61	0.559	14.20	0.933	23.70	YES
76644-X52	0.360	9.14	0.310	7.87	0.368	9.35	0.352	8.94	0.780	19.81	–
76644-X53	0.526	13.36	0.526	13.36	0.534	13.56	0.518	13.16	1.162	29.51	–
76644-X54	0.510	12.95	0.075	1.91	0.518	13.16	0.502	12.75	0.695	17.65	–
76644-X55	0.705	17.91	0.040	1.02	0.713	18.11	0.697	17.70	0.855	21.72	–
76644-X56	0.230	5.84	0.235	5.97	0.238	6.05	0.222	5.64	0.575	14.61	–
76644-X57	0.976	24.79	0.292	7.42	0.984	24.99	0.968	24.59	1.378	35.00	–
76644-X58	0.515	13.08	0.040	1.02	0.523	13.28	0.507	12.88	0.665	16.89	–

mat'l. code: SEE NOTE 1

surface: ASME Y14.5 | tolerance: ASME Y14.5

projection

ltr	ecn no	dr	date
P			

tolerances unless otherwise specified

angles: 0° ±2°

linear: XX±.01/.X±.3; .XXX±.005/.XX±.13; .XXXX±.0020/.XXX±.051

INCH/MM

scale 1:1

dr	T. BREWBAKER	1996-07-29
engr	L. FYE	1996-07-29
chr	T. BREWBAKER	1996-07-29
appd	L. FYE	1996-07-29

product family: PIN PRODUCTS

title: BERGPIN® .200"[5.08]cc .041"[1.04] DIA., .110"[2.79] LONG STAR WITH SOLDER WASHER

dwg no: 76644 | sheet 4 of 4 | size A4

type: CUSTOMER Drawing

sheet index | revision sheet

form: A4mmXLc

PDM: Rev:P STATUS Released Printed: Jul 14, 2012