index	sheet				
sheet	1	2	3	4	
revision	P	P	P		

mat'l. code	SEE NOTE 1		ltr	ecn no	date	dr	chr	engr	chr	appd
			P	V08-0354	2008-08-26	HTB	M. CORNMAN	1991-02-07		
			N	V06-0682	2006-07-19	JRV	S. AURAND	1991-02-07		
			M	V02315	2000-09-13	LSS	S. AURAND	1991-02-07		
			L	V01594	2000-07-13	JRW				

surface: ASME Y14.5
Tolerance: ASME Y14.5
Tolerances unless otherwise specified

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

scale 2:1
INCH/MM

type: CUSTOMER Drawing
dwg no: 76644
size: A4
sheet 1 of 4

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

product family: PIN PRODUCTS

PRODUCT NUMBER
SEE TABLE

NOTE 5
NOTE 3
EXCEPT PER NOTE 4
MAX FLAT
□ .016   0.41

.090   2.29   MAX

.04   1.0

.010±.010   0.25±.25

□ .025±.001   0.64±0.3

— .005/.13

OVERALL LENGTH
DIM "L" ±.010   ±0.25

.04   1.1   REF

SECTION THRU PC BOARD

TERMINATION AREA   DIM "B"

.11   2.8   REF

DIM "A"
DIM "A" ±.010   ±0.25

CONTACT AREA

DIM "H" REF
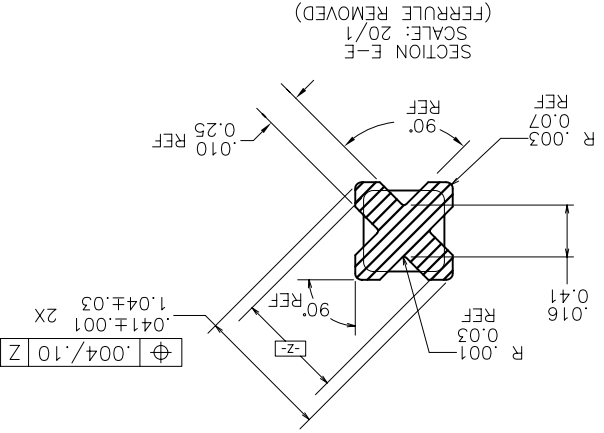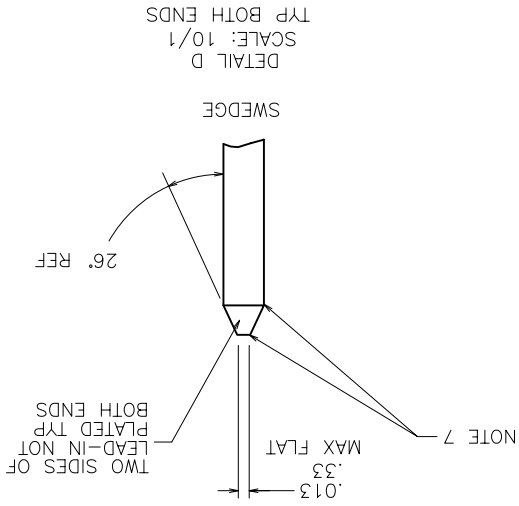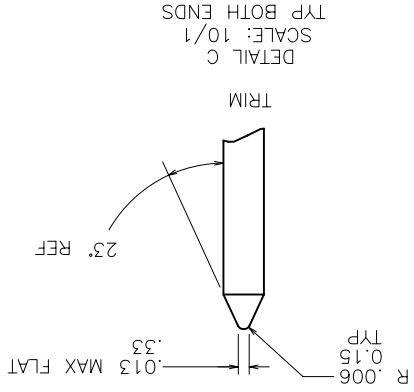
NOTES:

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.

SWEDGE
26° REF
TWO SIDES OF LEAD-IN NOT PLATED TYP
PLATED BOTH ENDS
.013 / .33 MAX FLAT
NOTE 7
DETAIL D
SCALE: 10/1
TYP BOTH ENDS

TRIM
23° REF
.013 MAX FLAT
.33
R .006 / 0.15 TYP
DETAIL C
SCALE: 10/1
TYP BOTH ENDS

SECTION E-E
SCALE: 20/1
(FERRULE REMOVED)
.010 / 0.25 REF
90° REF
R .003 / 0.07 REF
90° REF
R .001 / 0.03
.016 / 0.41
.041±.001 2X
1.04±.03
⊕ .004/.10 Z

PRODUCT NUMBER
SEE TABLE

type	CUSTOMER Drawing
dwg no	76644
size	A4
sheet	2 of 4
scale	1:1

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

product family: PIN PRODUCTS

INCH/MM

Tolerances unless otherwise specified
linear .XXXX±.0020/.XXX±.051
.XXX±.005/.XX±.13
.XX±.01/.X±.3
angles 0°±2°
reamed

dr	M. CORNMAN	1991-02-06
engr	S. AURAND	1991-02-06
chr	S. AURAND	1991-02-06
appd	S. AURAND	1991-02-06

surface ASME Y14.5
tolerance ASME Y14.5
mat'l. code SEE NOTE 1

form A4mmXLc

FCIconnect.com

PRODUCT NUMBER	CONTACT AREA DIM A		TERM. AREA DIM B		DIM H FOR .093/2.36 BOARD		DIM H FOR .125/3.18 BOARD		OVERALL LENGTH DIM L		NOTE 4
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	
766644-X01	0.240	6.10	0.040	1.02	0.248	6.30	0.232	5.89	0.390	9.91	—
766644-X02	0.270	6.86	0.040	1.02	0.278	7.06	0.262	6.65	0.420	10.67	—
766644-X03	0.245	6.22	0.073	1.85	0.253	6.43	0.237	6.02	0.430	10.92	—
766644-X04	0.290	7.37	0.040	1.02	0.298	7.57	0.282	7.16	0.440	11.18	—
766644-X05	0.310	7.87	0.040	1.02	0.318	8.08	0.302	7.67	0.460	11.68	—
766644-X06	0.330	8.38	0.040	1.02	0.338	8.59	0.322	8.18	0.480	12.19	—
766644-X07	0.335	8.51	0.055	1.40	0.343	8.71	0.327	8.31	0.500	12.70	—
766644-X08	0.310	7.87	0.090	2.29	0.318	8.08	0.302	7.67	0.510	12.95	YES
766644-X09	0.365	9.27	0.042	1.07	0.373	9.47	0.357	9.07	0.517	13.13	—
766644-X10	0.310	7.87	0.120	3.05	0.318	8.08	0.302	7.67	0.540	13.72	YES
766644-X11	0.390	9.91	0.040	1.02	0.398	10.11	0.382	9.70	0.540	13.72	—
766644-X12	0.450	11.43	0.040	1.02	0.458	11.63	0.442	11.23	0.600	15.24	—
766644-X13	0.365	9.27	0.135	3.43	0.373	9.47	0.357	9.07	0.610	15.49	YES
766644-X14	0.468	11.89	0.042	1.07	0.476	12.09	0.460	11.68	0.620	15.75	—
766644-X15	0.658	16.71	0.042	1.07	0.666	16.92	0.650	16.51	0.810	20.57	—
766644-X16	0.720	18.29	0.040	1.02	0.728	18.49	0.712	18.08	0.870	22.10	—
766644-X17	0.275	6.99	0.255	6.48	0.283	7.19	0.267	6.78	0.640	16.26	YES
766644-X18	0.365	9.27	0.055	1.40	0.373	9.47	0.357	9.07	0.530	13.46	—
766644-X19	0.403	10.24	0.315	8.00	0.411	10.44	0.395	10.03	0.828	21.03	YES
766644-X20	0.591	15.01	0.315	8.00	0.599	15.21	0.583	14.81	1.016	25.81	YES
766644-X21	0.275	6.99	0.179	4.55	0.283	7.19	0.267	6.78	0.564	14.33	YES
766644-X22	0.585	14.86	0.240	6.10	0.593	15.06	0.577	14.66	0.940	23.88	YES
766644-X23	0.190	4.83	0.045	1.14	0.198	5.03	0.182	4.62	0.345	8.76	—
766644-X24	0.535	13.59	0.045	1.14	0.543	13.79	0.527	13.39	0.690	17.53	—
766644-X25	0.358	9.09	0.382	9.70	0.366	9.30	0.350	8.89	0.850	21.59	—
766644-X26	0.585	14.86	0.355	9.02	0.593	15.06	0.577	14.66	1.050	26.67	—
766644-X27				U N A S S I G N E D							
766644-X28				U N A S S I G N E D							
766644-X29	0.715	18.16	0.337	8.56	0.723	18.36	0.707	17.96	1.162	29.51	—
766644-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
766644-1YY	30μ" [0.76μ] MIN Au	50μ" [1.27μ] MIN Ni
766644-2YY	U N A S S I G N E D	
766644-3YY	50μ" [1.27μ] MIN Au	50μ" [1.27μ] MIN Ni
766644-4YY	120μ" [3.05μ] MIN 93/7 SnPb	50μ" [1.27μ] MIN Ni
766644-5YY	30μ" [0.76μ] MIN GXT™	50μ" [1.27μ] MIN Ni
766644-6YY	15μ" [0.38μ] MIN GXT™	50μ" [1.27μ] MIN Ni
766644-7YY	U N A S S I G N E D	
766644-8YY	U N A S S I G N E D	
766644-9YY	15μ" [0.38μ] MIN Au	50μ" [1.27μ] MIN Ni

product family: PIN PRODUCTS

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

mat'l. code: SEE NOTE 1

Tolerances unless otherwise specified
linear: XXXX±.0020/XXX±.051 · XXX±.005/XX±.13 · XX±.01/X±.3
angles: 0°±2°
INCH/MM

surface: ASME Y14.5   Tolerance: ASME Y14.5

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

type: CUSTOMER Drawing
size: A4
dwg no: 766644
sheet 3 of 4
scale 1:1

ltr | ecn no | date | dr

PRODUCT NUMBER	CONTACT AREA DIM A		TERM. AREA DIM B		DIM H FOR .093/2.36 BOARD		DIM H FOR .125/3.18 BOARD		OVERALL LENGTH DIM L		NOTE 4
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	
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	—

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

product family: PIN PRODUCTS

type: CUSTOMER Drawing

mat'l. code SEE NOTE 1

Tolerances unless otherwise specified

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

surface ASME Y14.5 Tolerance ASME Y14.5

projection

INCH/MM

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

ltr | ecn no | dr | date

dwg no: **76644**

size: A4

scale 1:1

sheet 4 of 4

form. A4mmXLc

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