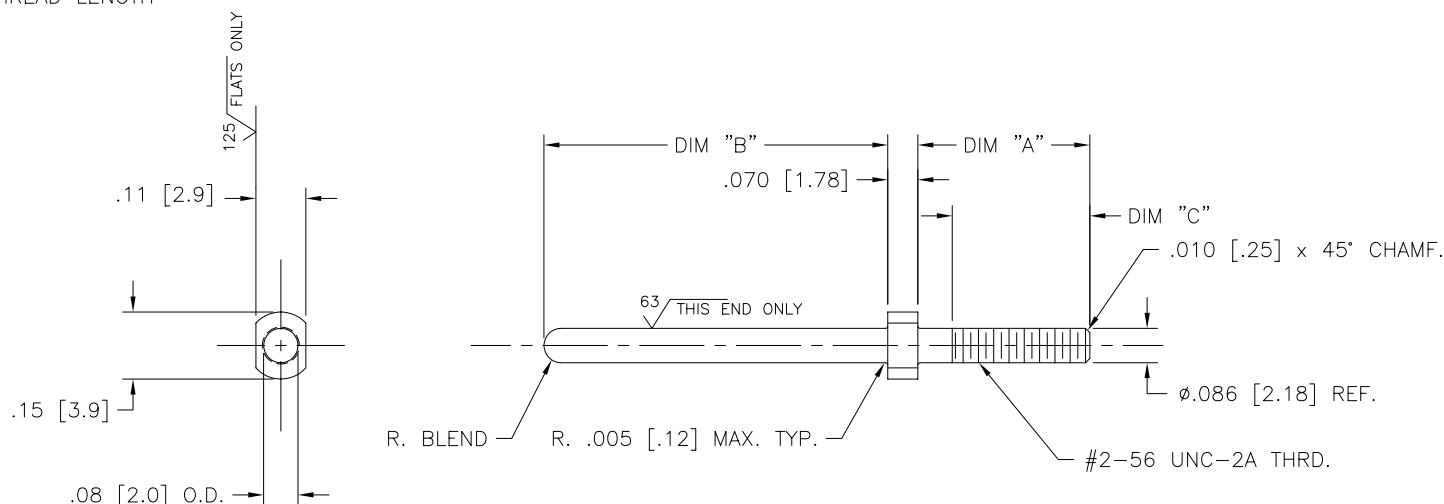


PRODUCT NO. NOTE 8	DIM "A"	DIM "B"	MATERIAL	DIM "C"*	SHEET NO.	APPLICATION NOTES
77031-102 77031-102LF	.37/9.5	.585/14.86	STAINLESS STEEL AISI 430 or 416	.320/8.13	SEE SHT. 2	3
77031-103 77031-103LF	.50/12.7	.585/14.86		.320/8.13	SEE SHT. 3	4
77031-106 77031-106LF	.43/10.9	.585/14.86		.320/8.13	SEE SHT. 4	5
77031-113 77031-113LF	.75/19.1	.585/14.86		.320/8.13	SEE SHT. 5	6 AND 7

* MINIMUM THREAD LENGTH



NOTES:

- MECHANICAL GUIDANCE ONLY.
- GUIDE PIN IS .027 [.68] LONGER THAN WHAT IS REQUIRED TO ALIGN CONNECTORS WHEN HOUSING FACES ARE .035 [.88] APART.
- SHROUD CAN'T BE USED WITH THIS GUIDE PIN.
- GUIDE PIN MAY BE USED WITH A SHROUD OR SCREWED TO A .187 [4.74] PCB.
- GUIDE PIN MAY BE USED WITH...
... SHROUD AND .125 [3.17] PCB.
... NUT, WASHER, AND .125 [3.17] PCB.
- GUIDE PIN MAY USE SHROUD OR SCREW.
APPLICATION MAY USE MOUNTING FRAME.
- MAXIMUM STACK IS .480 [12.20].
- ADD AN LF SUFFIX TO PART NUMBERS FOR PRODUCT THAT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THIS PRODUCT IS NOT INTENDED TO BE EXPOSED TO MANUFACTURING SOLDER PROCESSES.

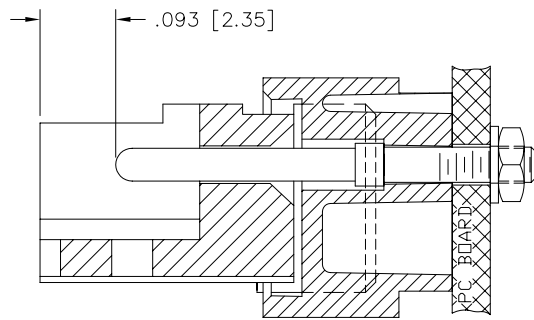
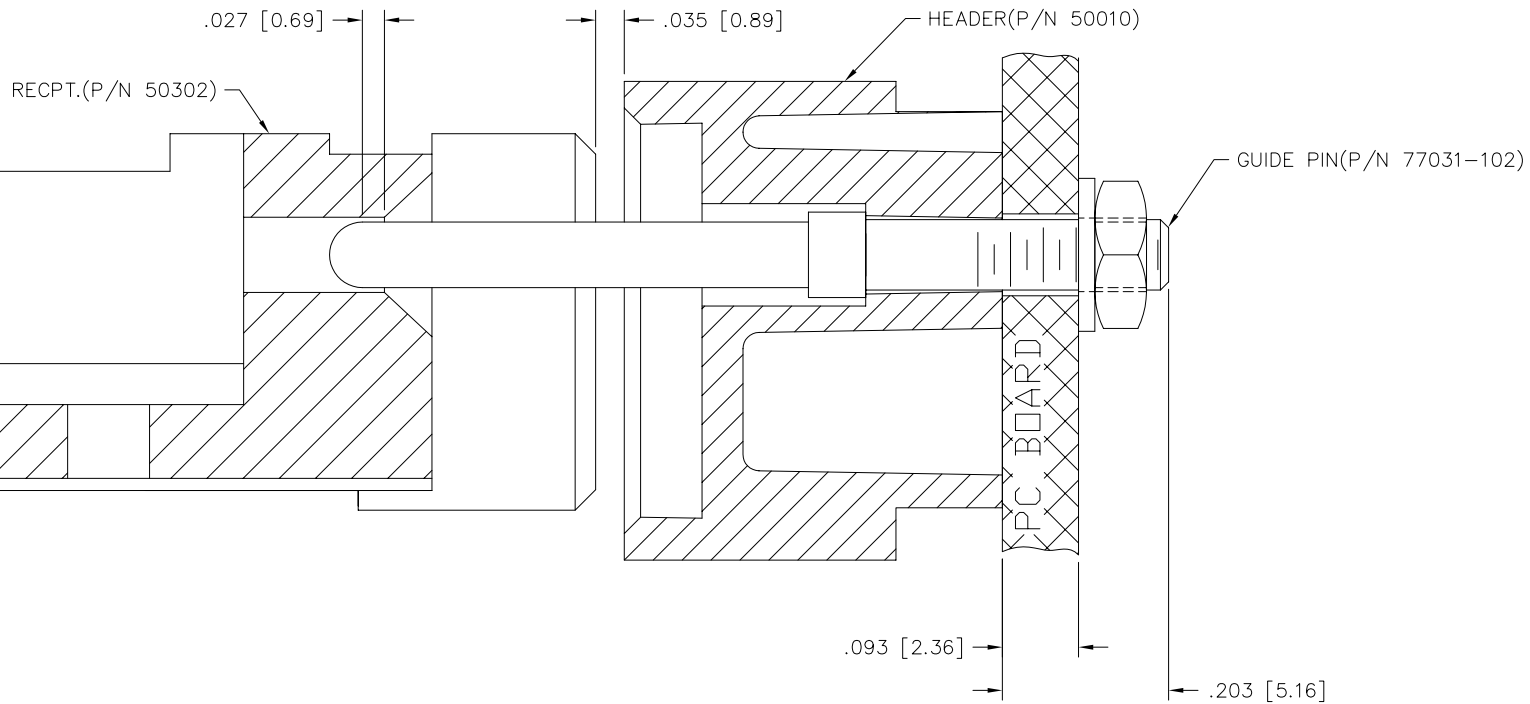
mat'l. code SEE TABLE				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecm	no	dr	date	tolerances unless otherwise specified		title
D	V20385	MRC	3/27/92		angles	.XX±.01/.3	CENTER GUIDE PIN
E	V32128	GIP	11/18/93		linear	.XXX±.005/.13	
F	V00717	LSS	3/22/00	0'±2'		.XXXX±.0020/.05	
G	V05-0964	HTB	10/18/05	dr	LSANDERS	3/22/00	dwg no
H	M06-0260	MHT	7/07/06	enr	M.GRAY	3/22/00	sheet 1 of 5 size
				chr	M.GRAY	3/22/00	77031 A3
				appd	M.GRAY	3/22/00	type Product Customer Drawing
sheet	revision	H	H	H	H	H	
index	sheet	1	2	3	4	5	



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PRODUCT NO.
77031-102



HOUSINGS FULLY MATED
(SCALE 20:1)

mat'l. code SEE TABLE				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ec	no	dr	date	tolerances unless otherwise specified	scale 1:1	title CENTER GUIDE PIN
H					angles linear .XX±.01/.3 .xxx±.005/.13 .xxxx±.0020/.05		
					0°±2'		
			dr	LSANDERS	3/22/00		dwg no
			enr	M.GRAY	3/22/00		sheet 2 of 5
			chr	M.GRAY	3/22/00		size
			appd	M.GRAY	3/22/00		A3
sheet index	revision sheet						type Product Customer Drawing

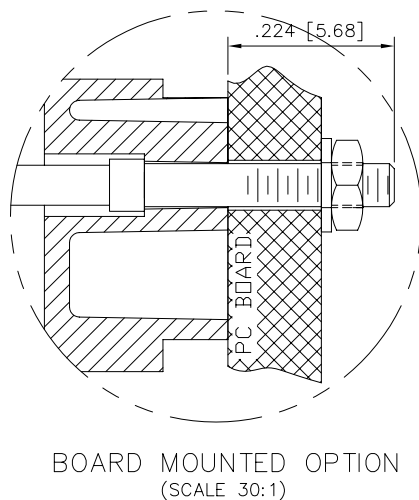
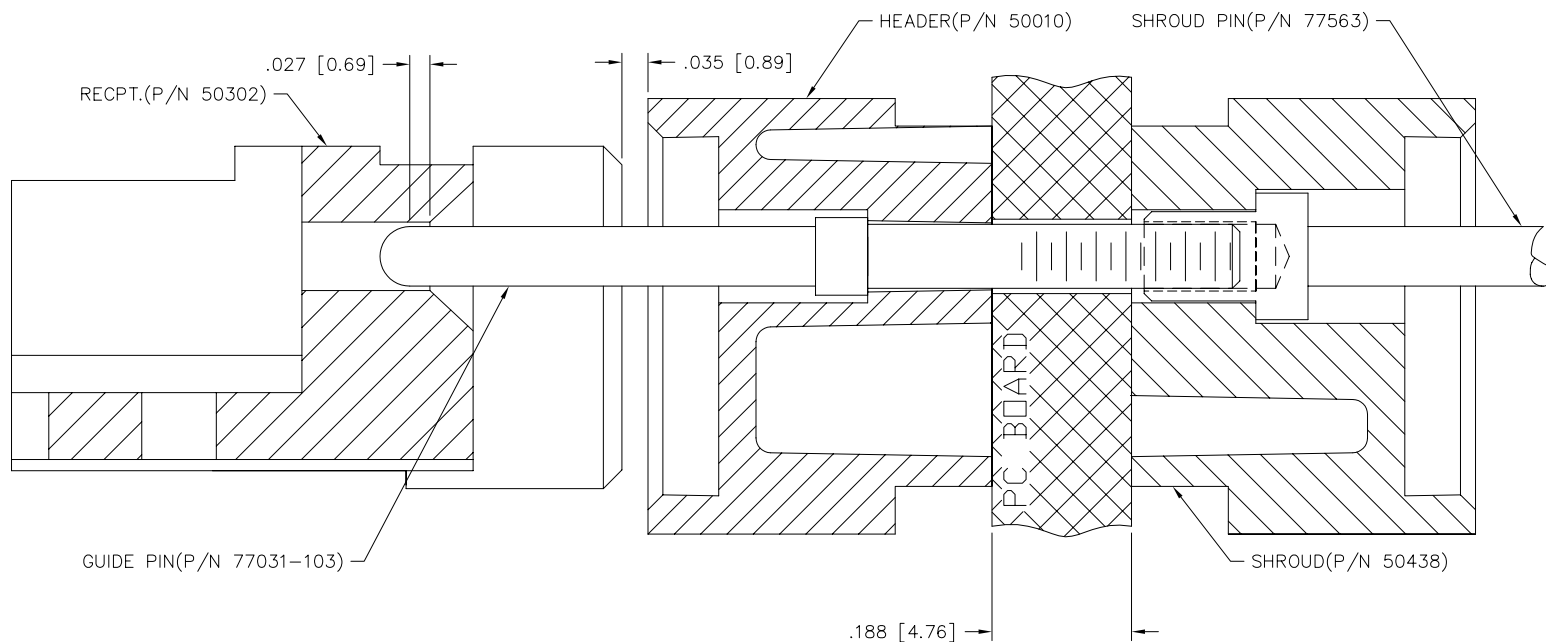
form: A3



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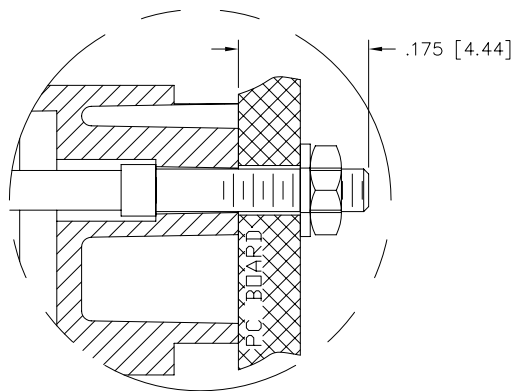
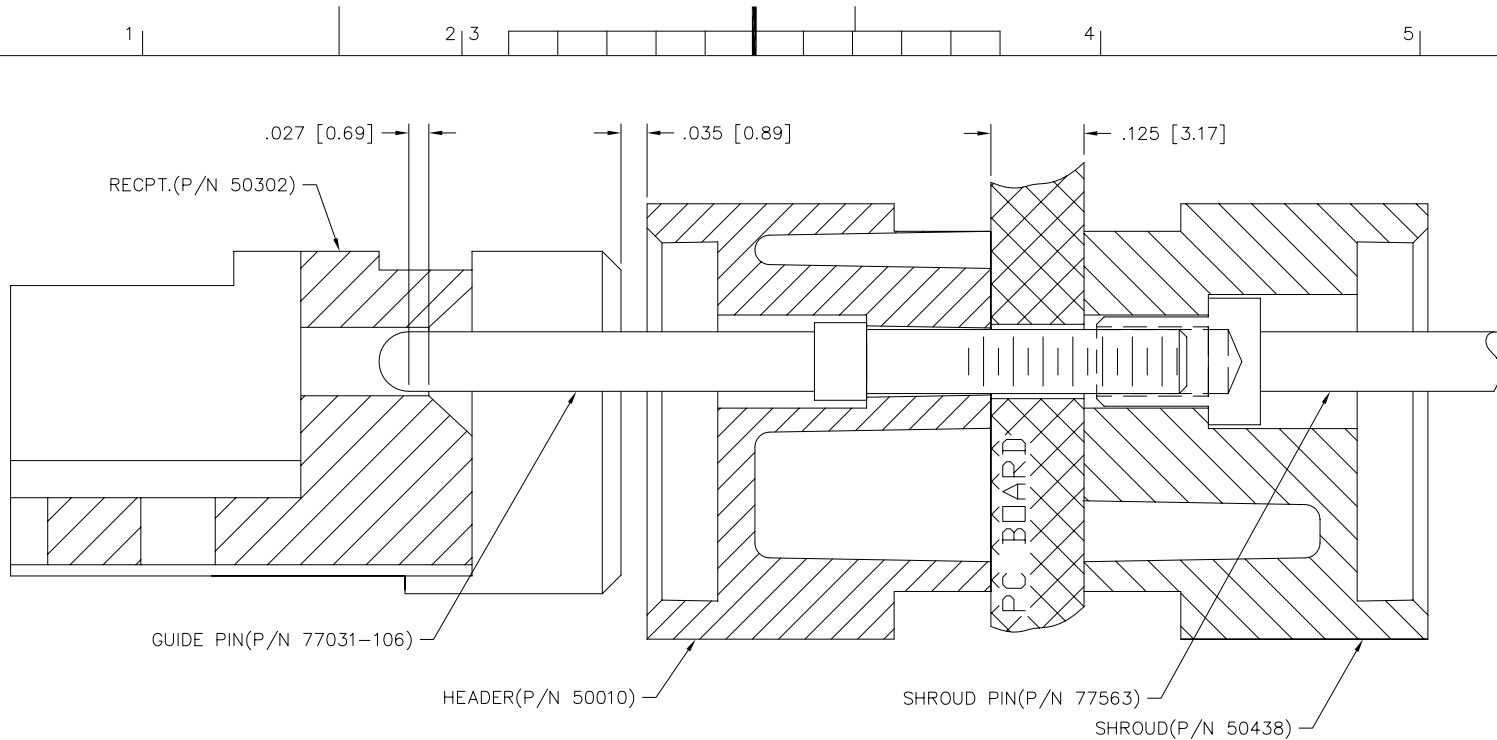
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PRODUCT NO
77031-103



mat'l. code SEE TABLE				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecr	no	dr	date	tolerances unless otherwise specified		title CENTER GUIDE PIN
H					angles linear 0°±2'	scale 1:1	
					.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.05		
			dr	LSANDERS	3/22/00		dwg no 77031
			enr	M.GRAY	3/22/00		sheet 3 of 5 size A3
			chr	M.GRAY	3/22/00		
			appd	M.GRAY	3/22/00		type Product Customer Drawing
sheet index	revision sheet						

form: A3



SCREW MOUNTED OPTION
(SCALE 30:1)

mat'l. code SEE TABLE				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection FIRST ANGLE	product family HPC
ltr	ec	n	dr	date	tolerances unless otherwise specified	INCH/MM	title CENTER GUIDE PIN
H					angles linear 0°±2'	scale 1:1	
					.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.05		
			dr	LSANDERS	3/22/00		dwg no 77031
			enr	M.GRAY	3/22/00		sheet 4 of 5 size A3
			chr	M.GRAY	3/22/00		
			app	M.GRAY	3/22/00		
sheet index	revision sheet						type Product Customer Drawing



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PRODUCT NO
77031-113

GUIDE PIN(P/N 77031-113)

.027 [0.69]

RECPT.(P/N 50302)

HEADER(P/N 50010)

.035 [0.89]

.583 [14.81]
MAX. STACK

PC BOARD

MOUNTING
FRAME

mat'l. code SEE TABLE				surface ISO 1302 ☒	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ecr	no	dr	date	tolerances unless otherwise specified	INCH/MM scale 1:1 	title CENTER GUIDE PIN
H					angles linear .XX±.01/.3		
					0'±2' .xxx±.005/.13 .xxx±.0020/.05		
			dr	LSANDERS	3/22/00		dwg no
			enr	M.GRAY	3/22/00		sheet5 of 5 size
			chr	M.GRAY	3/22/00		77031 A3
			appd	M.GRAY	3/22/00		type Product Customer Drawing
sheet index	revision sheet						

form: A3

PDM: Rev:H

STATUS: Released

Printed: May 14, 2011