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PRODUCT NO.
SEE TABLE

COMPANY LOGO

R.065 [1.65]
REF

-A-

R.065 [1.65]
REF
-B-

.435±.010 [11.05±0.25]

.002/1

.050 [1.27]

.125±.010 [3.17±0.25]

B2
B1

.155 [3.94]

.100 [2.54]

A1
A2

.100 [2.54]

.135 [3.43]

DIM D

DIM G

DIM E

⌀ .020/.51 M A-B S

OVERALL LENGTH
DIM L

⌀ .020/.51 M A-B S

NOTE 2

.15 [3.8]

NOTE 1

.003/1

.550 [13.97]
REF

.515±.010 [13.08±0.25]

TAIL LENGTH

.192 [4.88] MAX

.162 [4.12] MIN

.025 [0.64]
REF

⌀ .025/0.64 M

AT TIPS

.350 [8.89]
REFMATING LENGTH
.318±.010 [8.08±0.25]TAIL LENGTH
.177 [4.49]
REF.056 [1.42]
REF.034 [0.86]
2X

⌀ .025±.001 [0.64±0.03]

⌀ .015/.38 M A-B S

AT TIPS

SECTION Y-Y

mat'l. code				surface		tolerance	projection	product family	
				ISO 1302 ✓		ISO 406 ISO 1101		HEADERS	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
A	RELEASED	MRC		2/6/91		angles .XX±.01/.3		VERTICAL 2 ROW GUIDE PIN (SLOTTED)	
B	V20484	JWB		5/14/92		linear .XXX±.005/.13	INCH/MM	HEADER W/SPECIAL RETENTION FEATURE	
C	V50832	MSC		8/08/95		.XXXX±.0020/.051	scale 2:1	dwg no	
D	M05-0089	MHT		5/26/05		dr M. CORNMANN	2/6/91	sheet 1 of 6 size	
E	M07-0116	AGS		2/25/07		enr S. AURAND	2/6/91	87253 A3	
						chr S. AURAND	2/6/91	type	
						appd S. AURAND	2/6/91	Product Customer Drawing	
sheet	revision	E	E	E	E	E	E		
index	sheet	1	2	3	4	5	6		

form: A3

PDM: Rev:E

STATUS Released

Printed: Oct 13, 2010

PRODUCT NO. NOTE 4, 5	SIZE NOTE 4	PLATING REF NOTE 6	KINK POS.
87253-005 THRU 87253-050	2 X 5 THRU 2 X 50	30u"/0.76u Au	NOTE 3
87253-105 THRU 87253-150	2 X 5 THRU 2 X 50	15u"/0.38u Au	NOTE 3
87253-205 THRU 87253-250	2 X 5 THRU 2 X 50	30u"/0.76u GXT OVER 50u"/1.27u Ni	NOTE 3
87253-305 THRU 87253-350	2 X 5 THRU 2 X 50	15u"/0.38u GXT OVER 50u"/1.27u Ni	NOTE 3

NOTES:

- ① MOLDING MATERIAL: 20% MIN GLASS FLLD.
POLYESTER PER UL 94 V-0 COLOR-BLACK.
- ② PIN RETENTION TO BE 3 LBS / 1.36 KG
MIN PER PIN IN EITHER DIRECTION.
- ③ RETENTION FEATURE (KINK) LOCATED
TWO PAIRS EACH END 2X25 AND LARGER.
RETENTION FEATURE (KINK) LOCATED ON
2 PAIR OF PINS IN THE CENTER OF PARTS
SMALLER THAN 2X25.
- ④ -XXX REPRESENTS NO. OF COLUMNS
(i.e. 30u"/0.76u Au 2 x 5 PART IS -005)
-X01 THRU -X04 ARE NOT AVAILABLE,
-X05 THRU -X50 ARE AVAILABLE.
-X51 THRU -X00 ARE NOT AVAILABLE.
- ⑤ ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- ⑥ PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.
- ⑦ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND
OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
8. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE
FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm
MINIMUM THICK CIRCUIT BOARD. SEE APLICATION NOTES/PROCEDURES
IF THEY ARE AVAILABLE.

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HEADERS
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
E					angles	.XX±.01/.3	VERTICAL 2 ROW GUIDE PIN (SLOTTED)
					linear	.XXX±.005/.13	HEADER W/SPECIAL RETENTION FEATURE
					0°±2°	.XXXX±.0020/.051	scale 2:1
			dr	M. CORNMAN	2/6/91	FCI	dwg no
			enr	S. AURAND	2/6/91		sheet2 of 6
			chr	S. AURAND	2/6/91		size
			appd	S. AURAND	2/6/91		A3
sheet	revision						type
index	sheet						Product Customer Drawing



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PRODUCT NO. NOTE 5		SIZE	OVERALL LENGTH DIM L	DIM D	DIM E	DIM G
87253-X01		U N A V A I L A B L E				
	-X02					
	-X03					
	-X04	U N A V A I L A B L E				
	-X05	2 X 5	.88/22.35	.400/10.16	.80/20.32	.77/19.55
	-X06	2 X 6	.98/24.89	.500/12.70	.90/22.86	.87/22.09
	-X07	2 X 7	1.08/27.43	.600/15.24	1.00/25.40	.97/24.63
	-X08	2 X 8	1.18/29.97	.700/17.78	1.10/27.94	1.07/27.17
	-X09	2 X 9	1.28/32.51	.800/20.32	1.20/30.48	1.17/29.71
	-X10	2 X 10	1.38/35.05	.900/22.86	1.30/33.02	1.27/32.25
	-X11	2 X 11	1.48/37.59	1.000/25.40	1.40/35.56	1.37/34.79
	-X12	2 X 12	1.58/40.13	1.100/27.94	1.50/38.10	1.47/37.33
	-X13	2 X 13	1.68/42.67	1.200/30.48	1.60/40.64	1.57/39.87
	-X14	2 X 14	1.78/45.21	1.300/33.02	1.70/43.18	1.67/42.41
	-X15	2 X 15	1.88/47.75	1.400/35.56	1.80/45.72	1.77/44.95
	-X16	2 X 16	1.98/50.29	1.500/38.10	1.90/48.26	1.87/47.49
	-X17	2 X 17	2.08/52.83	1.600/40.64	2.00/50.80	1.97/50.03
	-X18	2 X 18	2.18/55.37	1.700/43.18	2.10/53.34	2.07/52.57
	-X19	2 X 19	2.28/57.91	1.800/45.72	2.20/55.88	2.17/55.11
	-X20	2 X 20	2.38/60.45	1.900/48.26	2.30/58.42	2.27/57.65
	-X21	2 X 21	2.48/62.99	2.000/50.80	2.40/60.96	2.37/60.19
	-X22	2 X 22	2.58/65.53	2.100/53.34	2.50/63.50	2.47/62.73
	-X23	2 X 23	2.68/68.07	2.200/55.88	2.60/66.04	2.57/65.27
	-X24	2 X 24	2.78/70.61	2.300/58.42	2.70/68.58	2.67/67.81
	87253-X25	2 X 25	2.88/73.15	2.400/60.96	2.80/71.12	2.77/70.35

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family HEADERS
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
E					angles	.XX±.01/.3	VERTICAL 2 ROW GUIDE PIN (SLOTTED)
					linear	.XXX±.005/.13	HEADER W/SPECIAL RETENTION FEATURE
					0°±2'	.XXXX±.0020/.051	scale 2:1
					dr	M. CORNMAN 2/6/91	dwg no
					enr	S. AURAND 2/6/91	sheet 3 of 6
					chr	S. AURAND 2/6/91	size
					appd	S. AURAND 2/6/91	A3
sheet	revision						type Product Customer Drawing
index	sheet						

form: A3



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1		2		3							4	5		6
PRODUCT NO. NOTE 5	SIZE	OVERALL LENGTH DIM L	DIM D		DIM E		DIM G							
87253-X26	2 X 26	2.98/75.69	2.500/63.50		2.90/73.66		2.87/72.89							
-X27	2 X 27	3.08/78.23	2.600/66.04		3.00/76.20		2.97/75.43							
-X28	2 X 28	3.18/80.77	2.700/68.58		3.10/78.74		3.07/77.97							
-X29	2 X 29	3.28/83.31	2.800/71.12		3.20/81.28		3.17/80.51							
-X30	2 X 30	3.38/85.85	2.900/73.66		3.30/83.82		3.27/83.05							
-X31	2 X 31	3.48/88.39	3.000/76.20		3.40/86.36		3.37/85.59							
-X32	2 X 32	3.58/90.93	3.100/78.74		3.50/88.90		3.47/88.13							
-X33	2 X 33	3.68/93.47	3.200/81.28		3.60/91.44		3.57/90.67							
-X34	2 X 34	3.78/96.01	3.300/83.82		3.70/93.98		3.67/93.21							
-X35	2 X 35	3.88/98.55	3.400/86.36		3.80/96.52		3.77/95.75							
-X36	2 X 36	3.98/101.09	3.500/88.90		3.90/99.06		3.87/98.29							
-X37	2 X 37	4.08/103.63	3.600/91.44		4.00/101.60		3.97/100.83							
-X38	2 X 38	4.18/106.17	3.700/93.98		4.10/104.14		4.07/103.37							
-X39	2 X 39	4.28/108.71	3.800/96.52		4.20/106.68		4.17/105.91							
-X40	2 X 40	4.38/111.25	3.900/99.06		4.30/109.22		4.27/108.45							
-X41	2 X 41	4.48/113.79	4.000/101.60		4.40/111.76		4.37/110.99							
-X42	2 X 42	4.58/116.33	4.100/104.14		4.50/114.30		4.47/113.53							
-X43	2 X 43	4.68/118.87	4.200/106.68		4.60/116.84		4.57/116.07							
-X44	2 X 44	4.78/121.41	4.300/109.22		4.70/119.38		4.67/118.61							
-X45	2 X 45	4.88/123.95	4.400/111.76		4.80/121.92		4.77/121.15							
-X46	2 X 46	4.98/126.49	4.500/114.30		4.90/124.46		4.87/123.69							
-X47	2 X 47	5.08/129.03	4.600/116.84		5.00/127.00		4.97/126.23							
-X48	2 X 48	5.18/131.57	4.700/119.38		5.10/129.54		5.07/128.77							
-X49	2 X 49	5.28/134.11	4.800/121.92		5.20/132.08		5.17/131.31							
87253-X50	2 X 50	5.38/136.65	4.900/124.46		5.30/134.62		5.27/133.85							

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family HEADERS			
ltr		ecn no		dr		date		tolerances unless otherwise specified				title	
E								linear		.XX±.01/.3		INCH/MM	
								0'±2'		.XXX±.005/.13		scale 2:1	
								dr		M. CORNMAN 2/6/91		sheet4 of 6 size	
								enr		S. AURAND 2/6/91		A3	
								chr		S. AURAND 2/6/91		type	
								appd		S. AURAND 2/6/91		Product Customer Drawing	
sheet index		revision sheet											



form: A3

1

2

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4

5

6

mat'l. code					surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HEADERS			
ltr	ecn	no	dr	date	tolerances unless otherwise specified					title				
E					angles	.XX±.01/.3				VERTICAL 2 ROW GUIDE PIN (SLOTTED)				
					linear	.XXX±.005/.13				HEADER W/SPECIAL RETENTION FEATURE				
					0°±2'	.XXXX±.0020/.051				scale 2:1				
			dr		M. CORNMAN	2/6/91			dwg no		sheet4 of 6 size			
			enrg		S. AURAND	2/6/91			87253		A3			
			chr		S. AURAND	2/6/91								
			appd		S. AURAND	2/6/91								
sheet index		revision sheet												

form: A3



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1				2		3							4		5		6	
PRODUCT NO.	SIZE	DIM L		DIM D		DIM E		DIM G										
87253-X51		D I S C O N T I N U E D																
↑	-X52	D I S C O N T I N U E D																
	-X53	D I S C O N T I N U E D																
	-X54	D I S C O N T I N U E D																
	-X55	D I S C O N T I N U E D																
	-X56	D I S C O N T I N U E D																
	-X57	D I S C O N T I N U E D																
	-X58	D I S C O N T I N U E D																
	-X59	D I S C O N T I N U E D																
	-X60	D I S C O N T I N U E D																
	-X61	D I S C O N T I N U E D																
	-X62	D I S C O N T I N U E D																
	-X63	D I S C O N T I N U E D																
	-X64	D I S C O N T I N U E D																
	-X65	D I S C O N T I N U E D																
	-X66	D I S C O N T I N U E D																
	-X67	D I S C O N T I N U E D																
	-X68	D I S C O N T I N U E D																
	-X69	D I S C O N T I N U E D																
	-X70	D I S C O N T I N U E D																
	-X71	D I S C O N T I N U E D																
	-X72	D I S C O N T I N U E D																
	-X73	D I S C O N T I N U E D																
	-X74	D I S C O N T I N U E D																
↓	87253-X75	D I S C O N T I N U E D																

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HEADERS	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
E						angles	linear	.XX±.01/.3	VERTICAL 2 ROW GUIDE PIN (SLOTTED)
						0°±2'		.XXX±.005/.13	HEADER W/SPECIAL RETENTION FEATURE
								.XXXX±.0020/.051	
						dr	M. CORNMAN	2/6/91	dwg no
						enr	S. AURAND	2/6/91	sheet 5 of 6
						chr	S. AURAND	2/6/91	size
						appd	S. AURAND	2/6/91	A3
sheet index		revision sheet						type Product Customer Drawing	

form: A3



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PRODUCT NO.	SIZE	DIM L	DIM D	DIM E	DIM G
87253-X76		D I S C O N T I N U E D			
-X77		D I S C O N T I N U E D			
-X78		D I S C O N T I N U E D			
-X79		D I S C O N T I N U E D			
-X80		D I S C O N T I N U E D			
-X81		D I S C O N T I N U E D			
-X82		D I S C O N T I N U E D			
-X83		D I S C O N T I N U E D			
-X84		D I S C O N T I N U E D			
-X85		D I S C O N T I N U E D			
-X86		D I S C O N T I N U E D			
-X87		D I S C O N T I N U E D			
-X88		D I S C O N T I N U E D			
-X89		D I S C O N T I N U E D			
-X90		D I S C O N T I N U E D			
-X91		D I S C O N T I N U E D			
-X92		D I S C O N T I N U E D			
-X93		D I S C O N T I N U E D			
-X94		D I S C O N T I N U E D			
-X95		D I S C O N T I N U E D			
-X96		D I S C O N T I N U E D			
-X97		D I S C O N T I N U E D			
-X98		D I S C O N T I N U E D			
-X99		D I S C O N T I N U E D			
87253-X00		D I S C O N T I N U E D			

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HEADERS				
ltr	ecn	no	dr	date	tolerances unless otherwise specified				INCH/MM 		title			
E					angles	.XX±.01/.3		VERTICAL 2 ROW GUIDE PIN (SLOTTED)						
					linear	.XXX±.005/.13		scale 2:1		HEADER W/SPECIAL RETENTION FEATURE				
					0°±2'	.XXXX±.0020/.051								
					dr	M. CORNMAN	2/6/91			dwg no				
					enr	S. AURAND	2/6/91			sheet6 of 6 size				
					chr	S. AURAND	2/6/91			87253				
					appd	S. AURAND	2/6/91			A3				
sheet index		revision sheet								type Product Customer Drawing				

form: A3