

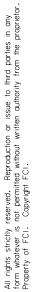
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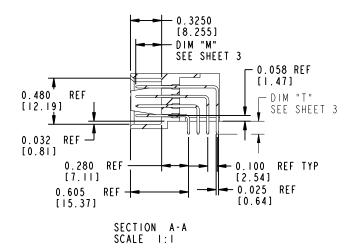
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Printed: Dec 13, 2005



form no. 7530-001-103

PRODUCT NUMBER SEE SHEET 3



1|2

-DIM "M" SEE SHEET 3 0.490 REF [12.45] - DIM "T" SEE SHEET 3 mmill 0.032 REF []] - 0.100 REF TYP [2.54] 0.3250 [8.255] - 0.280 REF [7.11]· 0.605 [15.37] REF

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SECTION B-B SCALE I:I

- 0.278 [7.06] 0.160 SECTION I-I

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						dr	C. E	C. BAROT 01-12-99			INCH / MM			produ	ict fan	nily F	PWR	code					
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PRODUCT No.

51415-001__ NOTE(3)

PRODUCT No.

51415-002... NOTE(3)

ROWS

D C B A

ROWS

D C B

ΕI

ΕI

SIGNAL

1 2 3 4 5 6

UUUUUU TTTTTT SSSFSS RRRRRR

SIGNAL

1 2 3 4 5 6

POWER

P2

POWER

P2

E 2

POWER

PΙ

POWER

4

E 2

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PRODUCT NUMBER SEE TABLE

> DIM "M" DIM "T" CONTACT ITEM MATING LENGTH QTY TAIL LENGTH NO. TYPE $\pm .010$ $\pm .020$ POWER РΑ 2 N/A [N/A] 0.135 [3.43] 0.220 [5.59] [3.43] 0.135 SIGNAL 0.270 [6.86] [3.43] SIGNAL R 6 0.135 0.270 SIGNAL [6.86] [3.43] 5 0.135 SIGNAL 0.270 [6.86] 0.135 [3.43] 6

> > 0.135

[3.43]

SIGNAL

[6.86]

0.270

6

ITEM NO.	QTY		"M" LENGTH 010		"T" LENGTH 020	CONTACT TYPE				
PA	2	N/A	[N/A]	0.135	[3.43]	POWER				
Ε	6	0.220	[5.59]	0.135	[3.43]	SIGNAL				
F	5	0.220	[5.59]	0.135	[3.43]	SIGNAL				
G	6	0.220	[5.59]	0.135	[3.43]	SIGNAL				
Н	6	0.220	[5.59]	0.135	[3.43]	SIGNAL				
S		0.270	[6.86]	0.135	[3.43]	SIGNAL				

ITEM NO.	QTY	LEN	"M" ING IGTH 010	T A L E N	DIM "T" TAIL LENGTH ±.020						
PA	2	N/A	[N/A]	0.135	[3.43]	POWER					
F		0.220	[5.59]	0.135	[3.43]	SIGNAL					
R	6	0.270	[6.86]	0.135	[3.43]	SIGNAL					
S	5	0.270	[6.86]	0.135	[3.43]	SIGNAL					
T	6	0.270	[6.86]	0.135	[3.43]	SIGNAL					
U	6	0.270	[6.86]	0.135	[3.43]	SIGNAL					

PRODUCT No.	ROWS		POWER		S	10	3 N	ΑL		POWER	
PRODUCT NO.	KOWS	ΕI	PI	I	2	3	4 5 6		6	P2	E2
51415-003 NOTE(3)	D C B		PA	U T S R	U T S R	U T S R	U F R	U T S R	U T S R	PA	

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						dr	C. BAROT 01-12-99		INCH / MM		produ	uct fan	nily F	<u> PWR</u>	BLA	DE	code					
						engr	J. E	BROWN	01-12	2-99	1 NC11 / MINI		size	dwg no					12	13		
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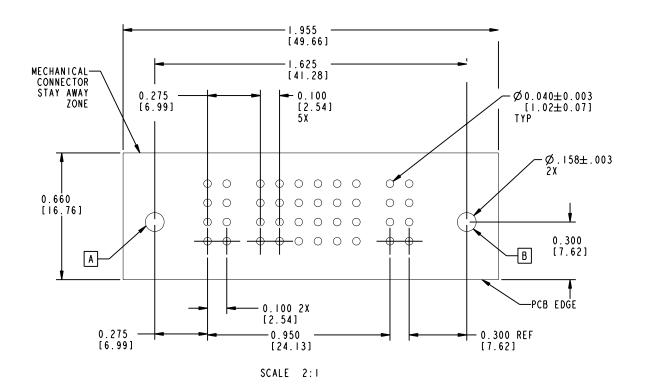
51415-00X__
NOTE(3)

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form no. 7530-001-103

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RECOMMENDED PCB LAYOUT

mat 'l	code		SE	E NO	TES	tolerances unless otherwise specified					CU	CUSTOMER			//-				ELECTRONICS				
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							. XXX	.XXXX±.002/.XXX±.051 0°±2° C. BAROT 01-12-99		♦ €1		010				+ 24S + IP .E SOLDER							
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PRODUCT NUMBER

51415-00X__ NOTE(3)

NOTES:

I. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME YI4.5M, 1994 UNLESS OTHERWISE SPECIFIED.

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CONNECTOR NOTES:

2. HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH-TEMP THERMOPLASTIC POWER CONTACT MATERIAL: COPPER ALLOY SIGNAL PIN MATERIAL: COPPER ALLOY

3. PLATING(51415-00X STAND FOR 51415-001 , 51415-002 AND 51415-003) 51415-00X Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA.

AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION. Power Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,

AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.

51415-00XLF Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA. AND 78u"/2.00um Sn PLATING OVER 50u"/I.27um Ni ON THE TERMINATION SECTION. Power Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA, AND 78u"/2.00um Sn PLATING OVER 50u"/I.27um Ni ON THE TERMINATION SECTION.

PART NUMBER 51415-00XLF MEETS EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.

- 4. MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
- PRODUCT SPECIFICATION GS-12-149. APPLICATION SPECIFICATION BUS-20-067.

PCB NOTES:

- 6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- 7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.
- 8. $\emptyset.0453\pm0.0010$ [1.151 ±0.025] DRILLED HOLES PLATED WITH .0003 [0.008] MIN SnPb OVER .001 [0.03] TO .003 [0.08] Cu PLATING TO ACHIEVE Ø.040±.003 [1.02±.07] HOLE.

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- 9. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
- IO. CONNECTOR KEEP-OUT ZONE.

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							angle	s	5 0°±2°				Ψ_	7	KIU	пі	ANU	L	OUL)E K	ПГА	DEK	
							dr	C. E	BAROT	01-1	2-99	LINIC	` /	MM	pro	duct f	amily	Р	WRBL	ADE	code	;	
							eng	J. E	ROWN	01-1	2-99			size	dw	g no				21	3		
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