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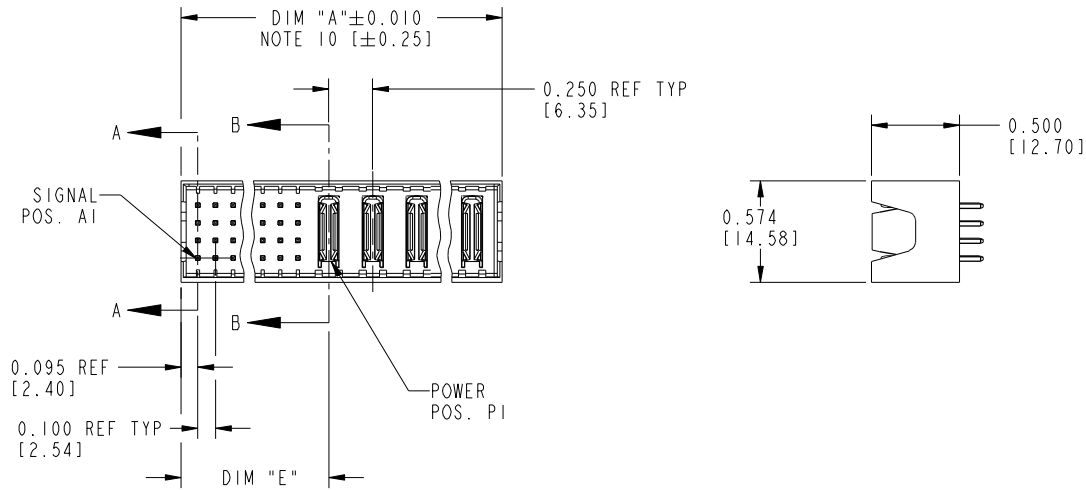
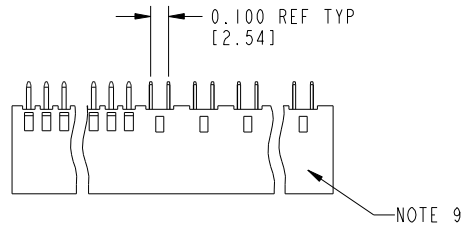
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PRODUCT NUMBER
51705-A00CCCDDE0_
SEE NOTE 1

1 | 2

3 |

4



mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI	
litr	ecn no.	dr	date			COPY	www.fciconnect.com	
F	V12500	DAI	10-16-01	linear	.XX \pm .01 / 0.X \pm 0.3	projection	title VERTICAL HEADER w/o GUIDE PIN SIGNAL / POWER	
G	V12513	DAI	11-07-01		.XXX \pm .005 / 0.XX \pm 0.13			
H	V21104	TAB	09-30-02	angles	.XXX \pm .0020 / .XXX \pm .051			
J	DG05-0471	CS	11/16/05	dr	JRW 10-16-01	MIM	product family PWRBLADE	
K	DG08-0239	JC	09/11/08	enrg	J.ALLISON 10-16-01	scale	size A	code 213
				chr	J.ALLISON 10-16-01	1:1	dwg no 51705	sheet 1 of 3
				appd	J.ALLISON 10-16-01			
sheet index	revision sheet	K	K	K				
		1	2	3				

1 | 2

Pro/E

3 |

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4

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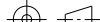


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PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51705-A00CCCDDE0_	DIM "A"	.100 [2.54] x (CCC/4) + .250 [6.35] x DD + .090 [2.29] (NOTE 10)
SEE NOTE 1	DIM "E"	.100 [2.54] x (CCC/4) + .170 [4.32]
	DIM "F"	.100 [2.54] x (CCC/4) + .250 [6.35] x DD + .120 [3.05]
	DIM "H"	.100 [2.54] x (CCC/4)

CONNECTOR NOTES

- PRODUCT NUMBER CODE:
51705 - A 00 CCC DD E 0 LF
NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
ADD THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE
ALWAYS "0" (ZERO)(NOTE 8)
TAIL OPTIONS (NOTE 7)
NUMBER OF RIGHT END POWER CONTACTS (NOTE 6)
NUMBER OF SIGNAL CONTACTS (NOTE 5)
ALWAYS "00" (ZERO, ZERO)(NOTE 4)
PLATING (NOTE 3)
BASE NUMBER
- HOUSING MATERIAL: UL94 V-0 HIGH GLASS FILLED TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY
- PLATING OPTION:
 I = SEE PRINT 10064183 FOR PLATING SPEC OF 51705-100CCCDDE0; 51705-100CCCDDE0LF
- THIS PART NOT AVAILABLE WITH LEFT SIDE POWER CONTACTS.
- SIGNAL CONTACT, 004 TO 148 AVAILABLE.
- RIGHT END POWER CONTACTS, 01 - 20 AVAILABLE.
- TAIL OPTIONS:
A = 0.135 +0.015/-0.010 [3.43 +0.38/-0.25] SOLDER TO BOARD
B = 0.165 +0.015/-0.010 [4.19 +0.38/-0.25] SOLDER TO BOARD
C = 0.165 +0.015/-0.010 [4.19 +0.38/-0.25] PRESS FIT

- BOARD RETENTION NOT AVAILABLE WITH GUIDELESS ENDS.
 - MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
 - THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2]
 - PRODUCT SPECIFICATION GS-12-149
 - SEE PWRBLADE VERTICAL HEADER SPECIAL WORKSHEET (51696) FOR MATING LENGTH OPTIONS.
 - DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.
- PCB NOTES:
- ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
 - ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]
 - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
 - $\varnothing 0.0453 \pm 0.0010$ [1.151 ± 0.025] DRILLED HOLES PLATED WITH 0.0003 [0.008] MIN SnPb OVER 0.001 [0.03] TO 0.003 [0.08] Cu PLATING TO ACHIEVE A $\varnothing 0.040 \pm 0.003$ [1.02 ± 0.07] HOLE.
 - FOR PRESS FIT APPLICATION USE FCI CAM TOOL 43169-XXX.
 - A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		COPY			title VERTICAL HEADER w/o GUIDE PIN SIGNAL / POWER			
K					.XXX±.005/0.XX±0.13		projection						
					.XXXX±.0020/.XXX±.051								
				angles	0°±2°								
				dr	JRW	10-16-01			product family		PWRBLADE	code	
				enrg	J.ALLISON	10-16-01			size		dwg no	213	
				chr	J.ALLISON	10-16-01			scale			sheet	
				appd	J.ALLISON	10-16-01	1:1		A	51705		2	
sheet index	revision sheet												

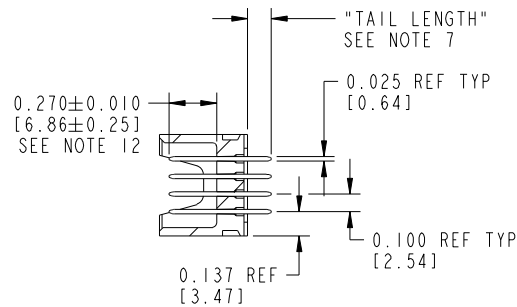
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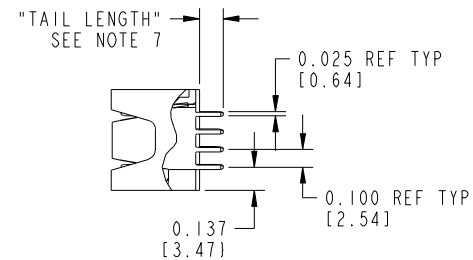


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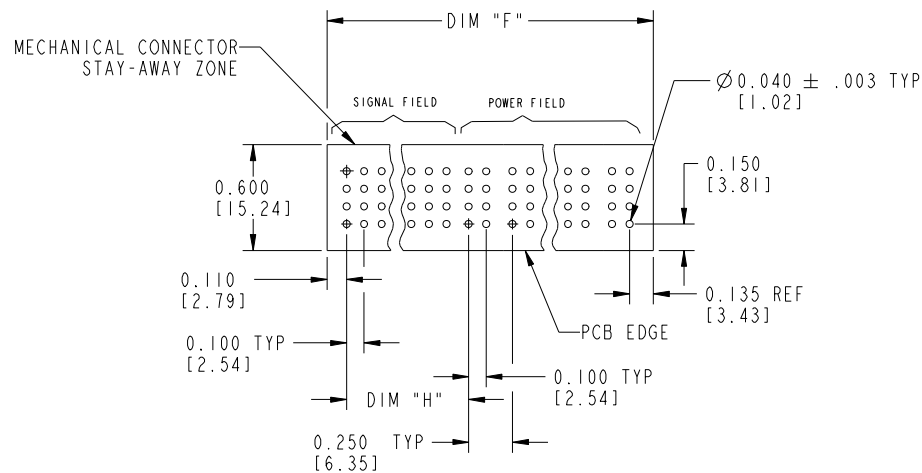
PRODUCT NUMBER
51705-A00CCCDDE0_
SEE NOTE 1



SECTION A-A



SECTION B-B



RECOMMENDED PCB LAYOUT

mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecn no.	dr	date	linear		.XX±.01/0.X±0.3		COPY		www.fciconnect.com	
K						.XXX±.005/0.XX±0.13		projection		title	
						.XXX±.0020/.XX±.051				VERTICAL HEADER w/o GUIDE PIN SIGNAL / POWER	
				angles		0°±2°				product family	PWRBLADE
				dr	JRW	10-16-01		scale		size	code
				enrg	J. ALLISON	10-16-01		1:1		dwg no	213
				chr	J. ALLISON	10-16-01				51705	sheet
				appd	J. ALLISON	10-16-01					3
sheet index	revision sheet										

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[51705-10002406A0LF](#) [51705-10002006A0LF](#)