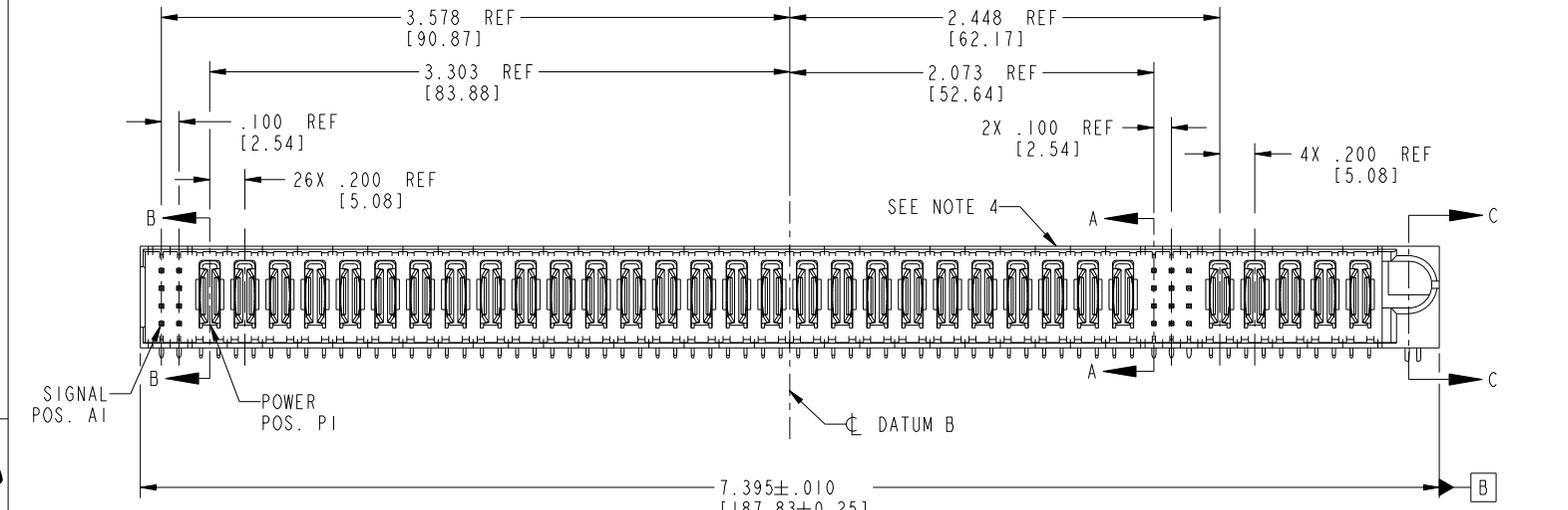


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PRODUCT NO. 51939-100 NOTE: ③	ROWS D C B A	POWER																										SIG.		POWER					E1	
		1	2	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	3	4	5	P28		P29



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
R	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN

mat'l code SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3			COPY	
A	V03-1332	TAB	01/08/04		.XXX±.005/0.XX±0.13			projection	
B	DG05-0258	SJ	07/26/05	angles	.XXX±.002/0.XXX±0.051			INCH/MM	
C	DG06-0014	JMG	01/16/06		0°±2°			scale	
D	DG09-0003	WD	01/18/09	dr	T. BRUNGARD	01/08/04	1:1		
				enr	M. GRAY	01/08/04			
				chr	M. GRAY	01/08/04			
				appd	M. GRAY	01/08/04			
sheet index	revision sheet	D	D	D	D				
		1	2	3	4				

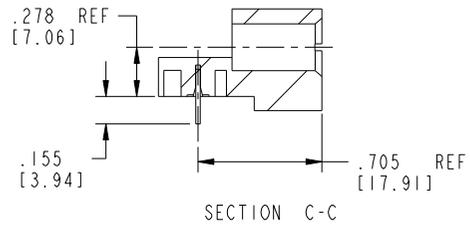
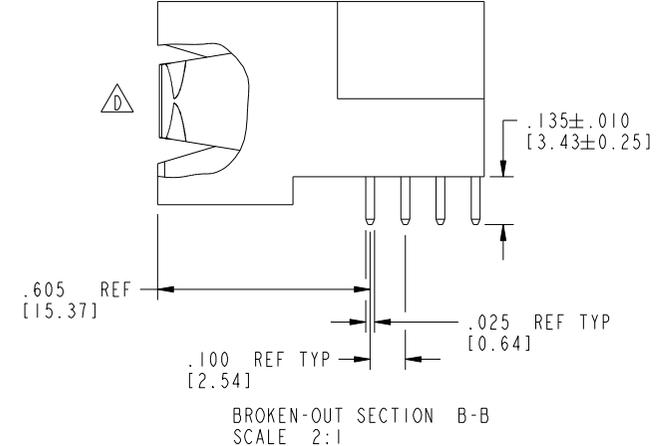
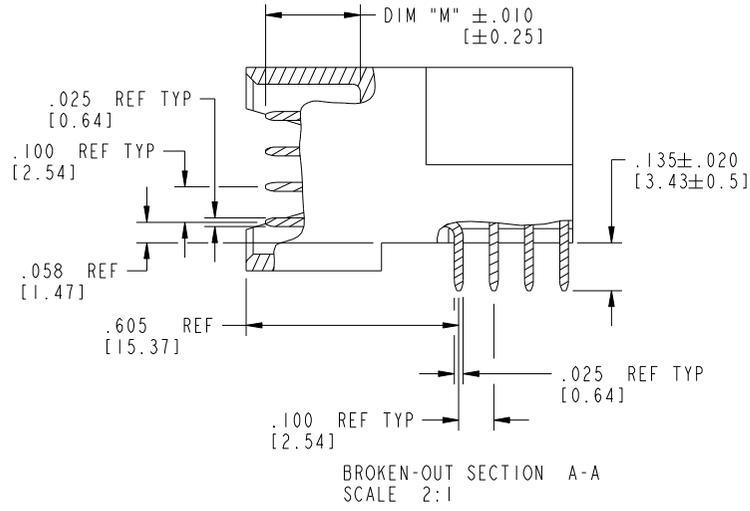
CUSTOMER		FCI		www.fciconnect.com	
COPY		title 8S + 27P + 12S + 5P			
projection		RIGHT ANGLE SOLDER HEADER			
INCH/MM		product family PwrBlade		code 213	
scale 1:1		size dwg no		sheet 1 of 4	
		A 51939-100			
		cage code 22526			

1 | 2 | 3 | 4  
 Pro/E | cage code 22526

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PRODUCT NUMBER  
51939-100--  
NOTE: ③



mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCJ	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
D					.XXX±.005/0.XX±0.13	projection		title 8S + 27P + 12S + 5P	
				angles	.XXX±.0020/0.XXX±0.051			RIGHT ANGLE SOLDER HEADER	
				dr	T. BRUNGARD 01/08/04	INCH/MM		product family PwrBlade code 213	
				enr	M. GRAY 01/08/04	scale		size dwg no 213	
				chr	M. GRAY 01/08/04	1:1		sheet 2 of 4	
				appd	M. GRAY 01/08/04	A		51939-100	
sheet index	revision sheet								

Pro/E

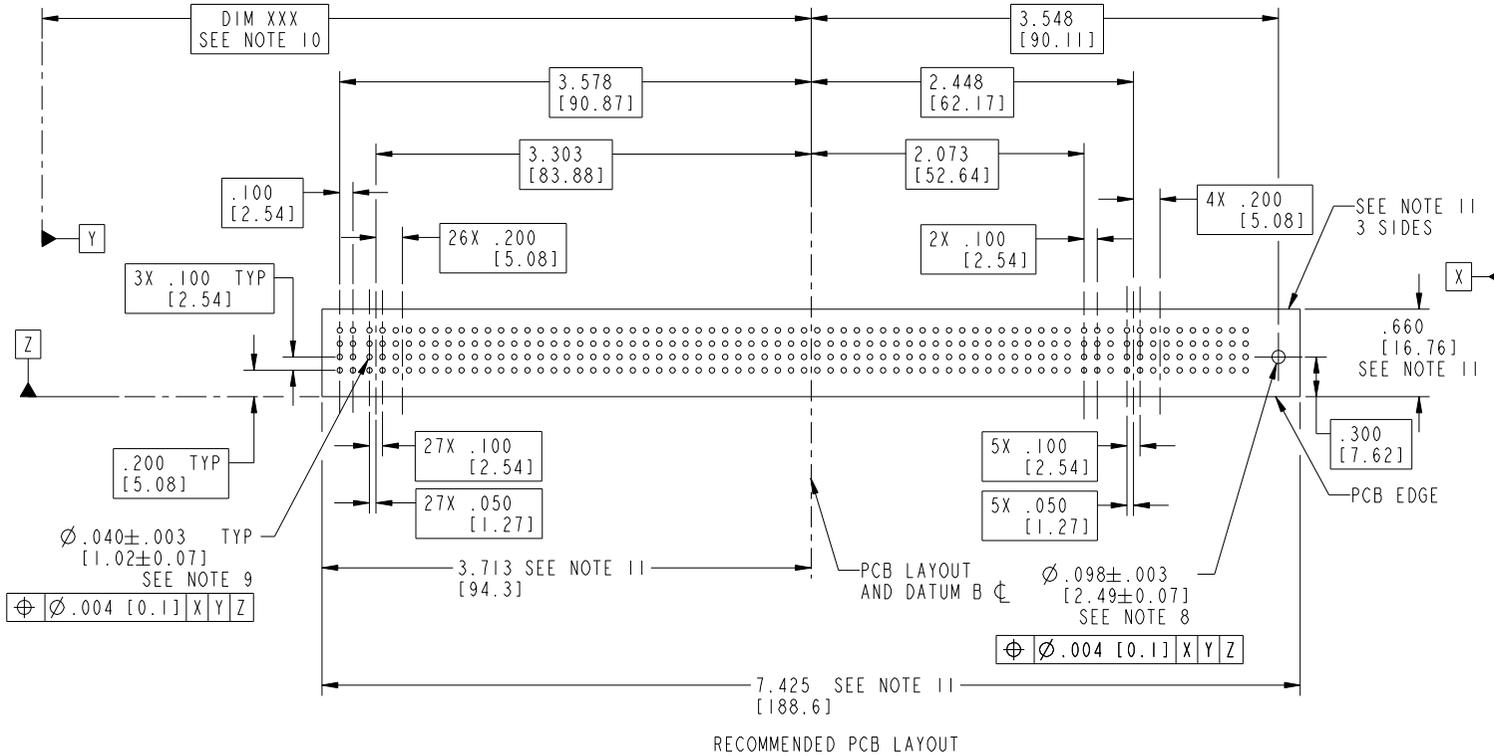
cage code 22526

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PRODUCT NUMBER  
 51939-100\_\_  
 NOTE: ③



RECOMMENDED PCB LAYOUT

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		title 8S + 27P + 12S + 5P	
D					.XXX±.005/0.XX±0.13	projection		RIGHT ANGLE SOLDER HEADER	
				angles	.XXX±.002/0.XXX±0.051			product family PwrBlade code 213	
				dr	0°±2°	INCH/MM		size dwg no 213	
				enr	T. BRUNGARD 01/08/04	scale		sheet 3 of 4	
				chr	M. GRAY 01/08/04	3:4		51939-100	
				appd	M. GRAY 01/08/04				
sheet index	revision sheet								

cage code 22526

Pro/E

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PRODUCT NUMBER  
51939-100--  
NOTE: ③

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

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. SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-100 AND 51939-100LF RESPECTIVELY.
- ④ MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
- 5. PRODUCT SPECIFICATION GS-12-149.  
APPLICATION SPECIFICATION BUS-20-067.
- 6. PACKAGED IN TRAYS.
- PCB NOTES:
- 7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- ⑧ MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.
- ⑨  $\varnothing .0453 \pm .0010$  [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  
 $\varnothing .040 \pm .003$  [1.02 ± .07] HOLE.
- ⑩ "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
- ⑪ CONNECTOR KEEP-OUT ZONE.
- 12. △ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com			
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		projection					
D					.XXX±.005/0.XX±0.13			title 8S + 27P + 12S + 5P					
				angles	.XXX±.0020/0.XXX±0.051			RIGHT ANGLE SOLDER HEADER					
				dr	0°+2°	INCH/MM		product family PwrBlade		code 213			
				enr	T. BRUNGARD 01/08/04	scale 1:1		size		sheet 4 of 4			
				chr	M. GRAY 01/08/04			A		dwg no 51939-100			
				appd	M. GRAY 01/08/04								
sheet index		revision sheet											

cage code 22526