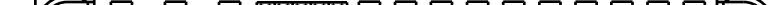
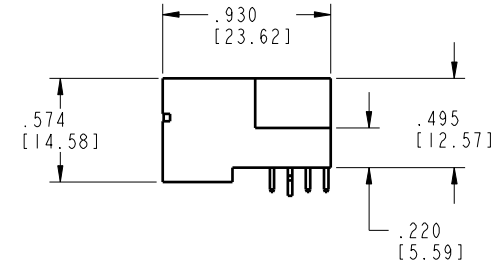
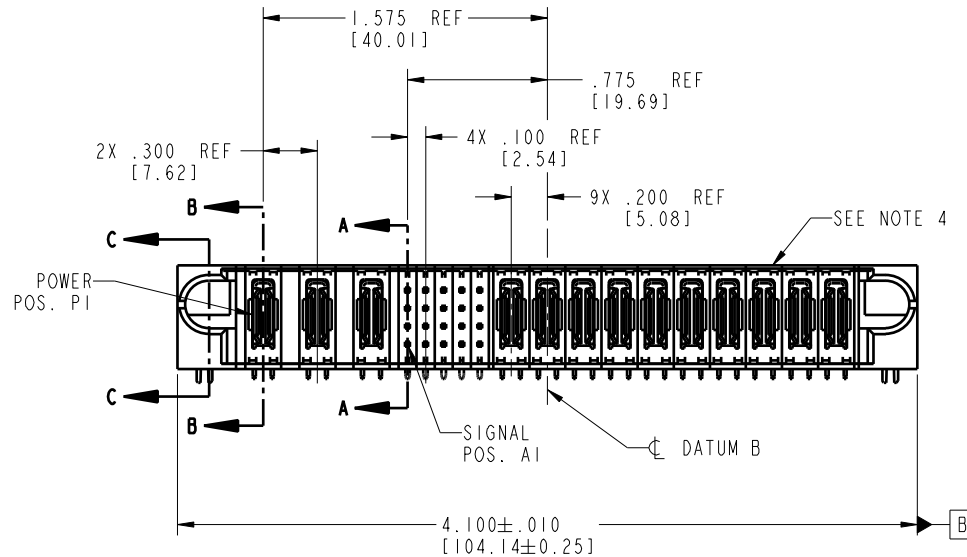


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PRODUCT NO.	ROWS		POWER				SIGNAL					POWER													
		E1	P1	P2	P3	1	2	3	4	5	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	E2				
51939-160-- NOTE③	D C B A		PA	PA	PA	UUUUU TTTTT SSSSS RRRRR					PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA				
																									



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
R	.270 [6.86]	SIGNAL
E	.220 [5.59]	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		A FCI		www.fciconnect.com	
lir	ecn no.	dr	date	linear	linear	linear	linear	projection	projection	title	title	product family	code
A	DG05-0040	SW	03/09/05		.XX±.01/0.X±0.3					3ACP + 20S + 10P		PwrBlade	213
B	DG06-0013	RYAN	01/22/06		.XXX±.005/0.XX±0.13					RIGHT ANGLE SOLDER HEADER			sheet
					.XXX±.0020/0.XXX±0.051								1 of 4
					angles	0°±2°							
					dr	STEVEN WANG	03/09/05						
					engr	STEVEN WANG	03/09/05						
					chr	VICTOR LIN	03/09/05						
					appd	JOSEPH HSIA	03/09/05						
sheet index	revision	B	B	B	B								
	sheet	1	2	3	4								

Pro/E

code code 22526

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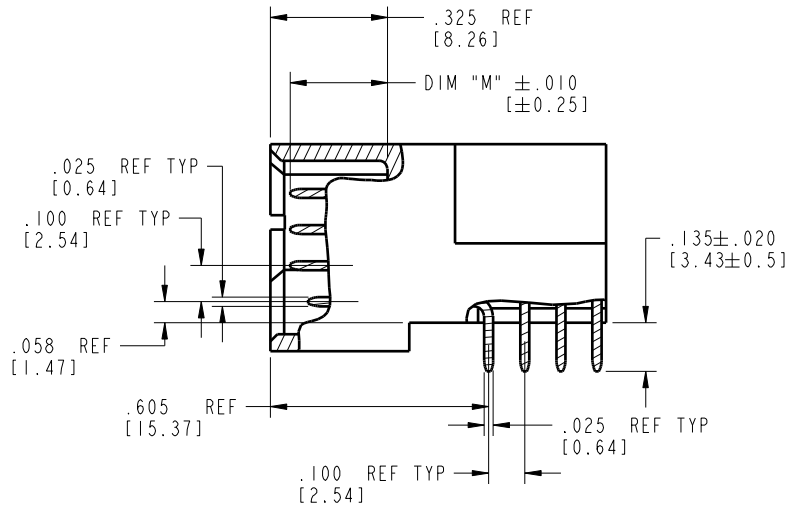
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A

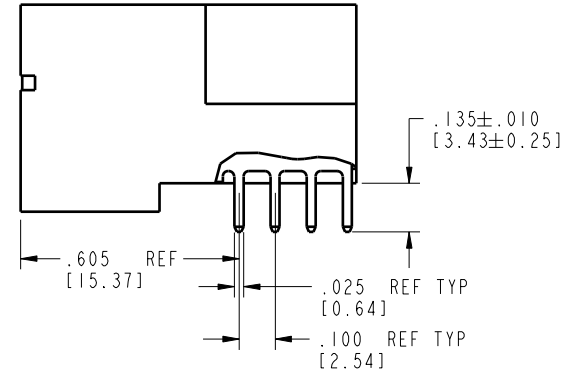
B

PRODUCT NUMBER

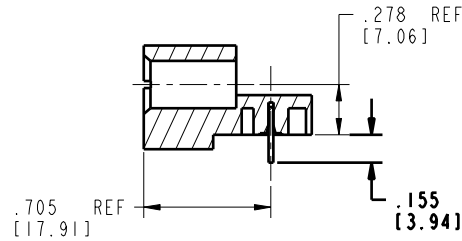
51939-160--
NOTE ③



BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI		www.fciconnect.com	
lir	ecn no.	dr	date	linear	angular	linear	angular	projection	projection	title	product family	code	code
B						.XX±.01/0.X±0.3				3ACP + 20S + 10P	PwrBlade	213	
						.XXX±.005/0.XX±0.13				RIGHT ANGLE SOLDER HEADER			
						.XXX±.0020/0.XXX±0.051							
						0°±2°							
				dr	eng	STEVEN WANG	03/09/05	INCH/MM		size	dwg no	sheet	code
				chr	opd	VICTOR LIN	03/09/05	scale	1:1	A	51939-160	2 of 4	
						JOSEPH HSIA	03/09/05						
sheet index	revision	sheet											

A

B

Pro/E

3

code code 22526

4

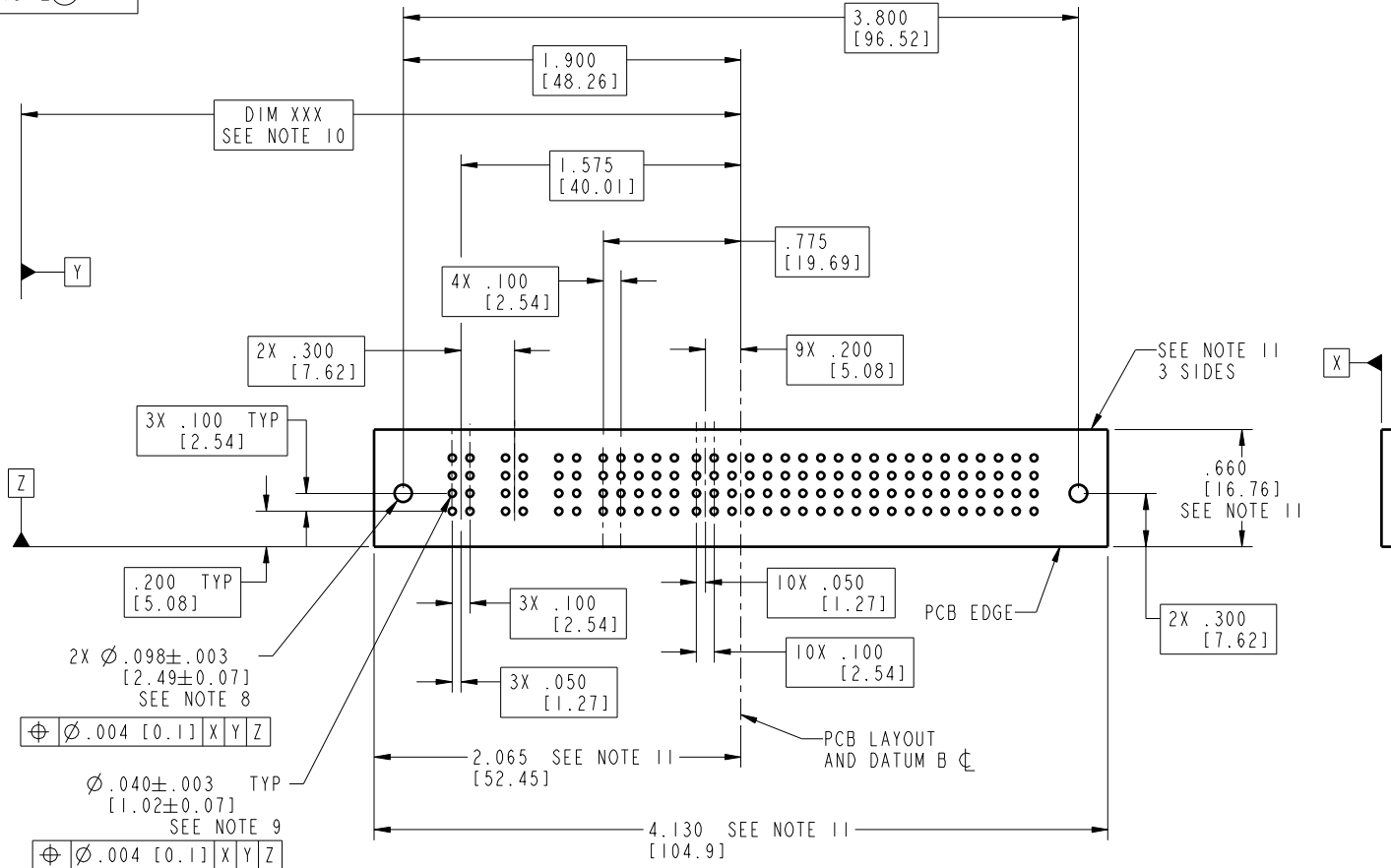
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PRODUCT NUMBER

51939-160--
NOTE ③



RECOMMENDED PCB LAYOUT

mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
B				linear	.XXX±.005/0.XX±0.13	projection		title	3ACP + 20S + 10P
				linear	.XXX±.0020/0.XXX±0.051			RIGHT ANGLE SOLDER HEADER	
				angles	0°±2°			product family	PwrBlade
				dr	STEVEN WANG 03/09/05	INCH/MM		code	213
				engr	STEVEN WANG 03/09/05			size	dwg no
				chr	VICTOR LIN 03/09/05	scale		A	51939-160
				appd	JOSEPH HSIA 03/09/05	1:1			sheet
sheet index	revision	sheet							3 of 4

Pro/E

code code 22526

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FCI

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A

B

PRODUCT NUMBER

51939-160--
NOTE③

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. PLATING:
51939-160; 51939-160LF; 51939-160GLF SEE PRINT 10064183

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 $\pm$ 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 $\pm$.07] HOLE.

⑩. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

⑪. CONNECTOR KEEP-OUT ZONE.

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				A FCI www.fciconnect.com											
lir	ecn no.			dr			date			linear	.XX $\pm$.01/0.X $\pm$ 0.3			COPY			projection	RIGHT ANGLE SOLDER HEADER									
B											.XXX $\pm$.005/0.XX $\pm$ 0.13																
											.XXX $\pm$.0020/0.XXX $\pm$ 0.051																
											angles	0 $\pm$ 2°															
				dr			STEVEN WANG 03/09/05						INCH/MM			product family PwrBlade			code								
				engr			STEVEN WANG 03/09/05									size			dwg no 213								
				chr			VICTOR LIN 03/09/05									scale			A 51939-160			sheet					
				appd			JOSEPH HSIA 03/09/05									1:1						4 of 4					
sheet index		revision		sheet																							

A

B

1 | 2

3 |

4

1 | 2

Pro/E

3 |

code code 22526

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