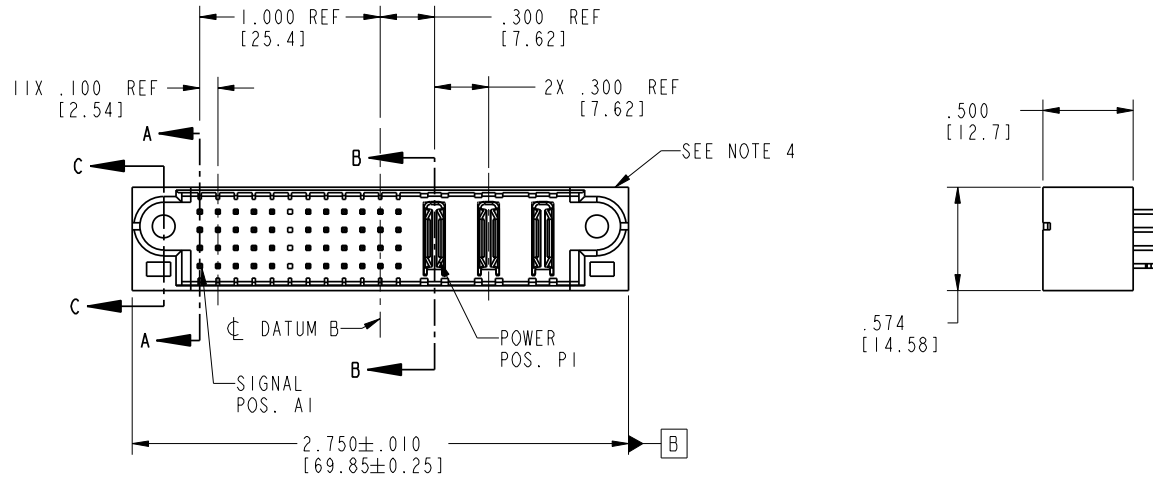


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PRODUCT NO.	ROWS	SIGNAL												POWER			E2
		E1	1	2	3	4	5	6	7	8	9	10	11	12	P1	P2	
51952-063-- Note: ③	0 B A																



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PA	N/A [N/A]	POWER
E	.270 [6.86]	SIGNAL
HA	N/A [N/A]	HOLD-DOWN
H	.220 [5.59]	SIGNAL
X	OMITTED	OMITTED

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		projection	
A	DG05-0075	JM	04/21/05		.XXX±.005/0.XX±0.13	INCH/MM		title 48S +3P	
B	DG05-0105	JM	05/11/05		.XXX±.002/0.XXX±0.051	scale 1:1		VERTICAL SOLDER HEADER	
C	DG05-0563	RYAN	12/23/05	angles	0°±2°	product family PwrBlade		code 213	
				dr	JM Guo 04/21/05	size		sheet 1 of 4	
				enrg	SLUO 04/21/05	dwg no			
				chr	VICTOR LIN 04/21/05	A 51952-063			
				appd	JOSEPH HSIA 04/21/05				
sheet index	revision	C	C	C	C				
	sheet	1	2	3	4				

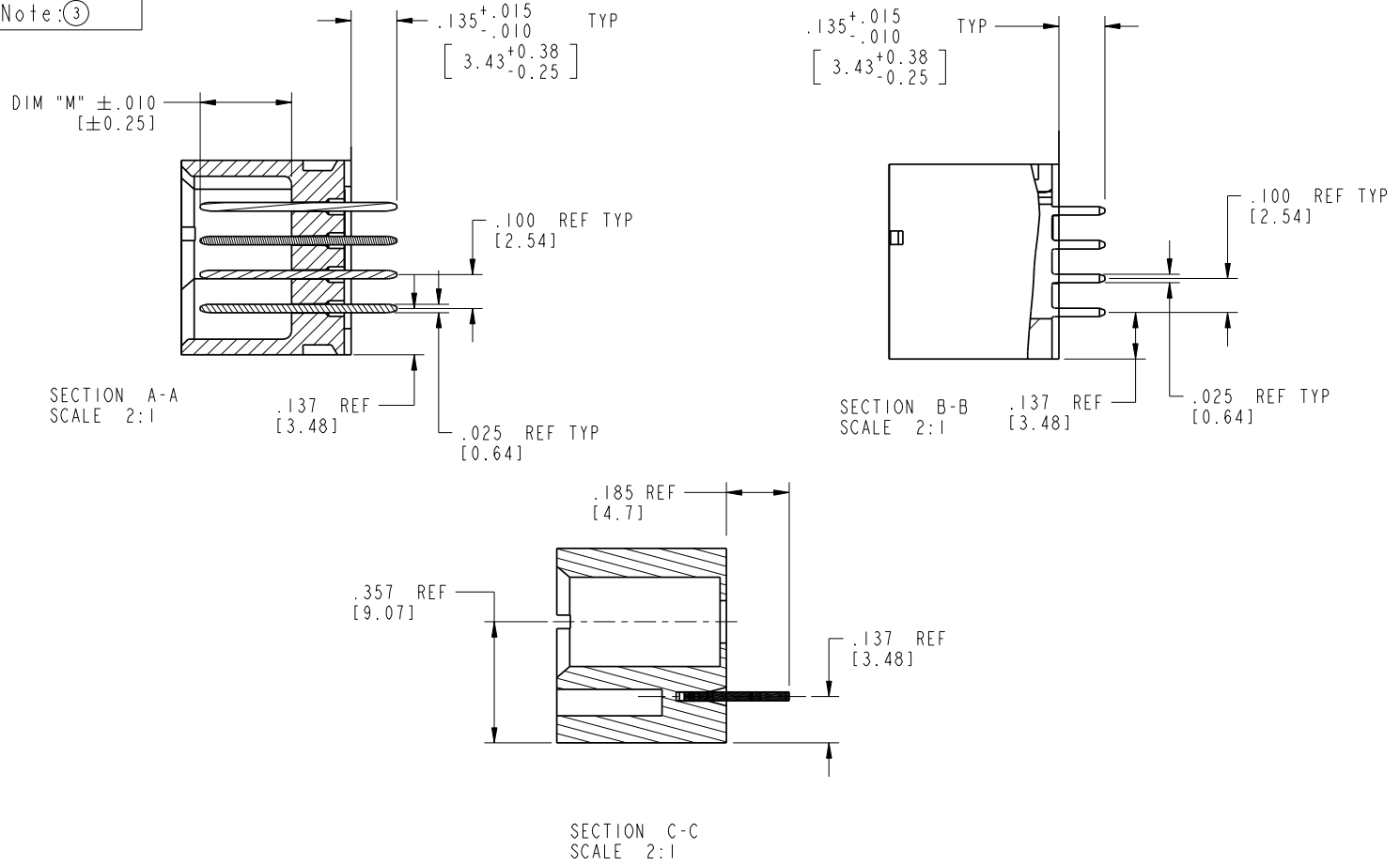
cage code 22526

Pro/E

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PRODUCT NUMBER
51952-063--
Note: ③



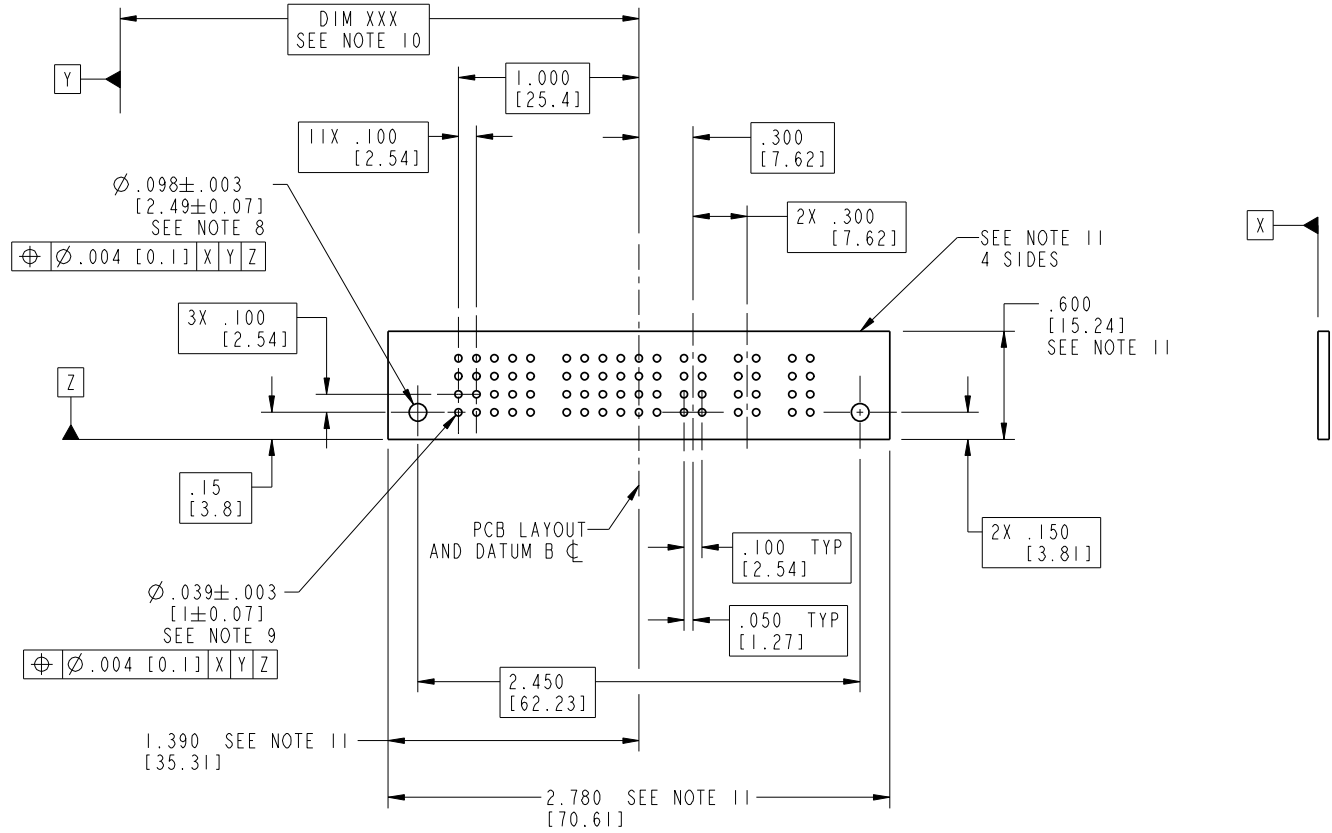
mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY			
c				linear	.XXX±.005/0.XX±0.13	projection		title	48S +3P
				linear	.XXX±.002/0.XXX±0.051			VERTICAL SOLDER HEADER	
				angles	0°±2°	INCH/MM		product family	PwrBlade
				dr	JM Guo 04/21/05	scale		size	213
				engr	SLIUO 04/21/05	1:1		dwg no	51952-063
				chr	VICTOR LIN 04/21/05			sheet	2 of 4
				appd	JOSEPH HSIA 04/21/05				
sheet index	revision sheet								

code code 22526

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PRODUCT NUMBER
51952-063--
Note: (3)



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			
c				linear	.XXX±.005/0.XX±0.13	projection		title 48S +3P	
				linear	.XXX±.002/0.XXX±0.051			VERTICAL SOLDER HEADER	
				angles	0° ± 2°	INCH/MM		product family PwrBlade	
				dr	JM Guo 04/21/05	scale 1:1		code 213	
				enrg	SLUO 04/21/05			size dwg no	
				chr	VICTOR LIN 04/21/05			51952-063	
				appd	JOSEPH HSIA 04/21/05			sheet 3 of 4	
sheet index		revision sheet							

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1 | 2

3 |

4

PRODUCT NUMBER
51952-063--
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. PLATING:

51952-063: SIGNAL PIN: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA
AND 100u"/2.54um SnPb OVER 50u"/1.27um Ni ON THE TERMINATION AREA
POWER PIN: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA
AND 100u"/2.54um SnPb OVER 50u"/1.27um Ni ON THE TERMINATION AREA

51952-063LF: SIGNAL PIN: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA
AND 78u"/2.00um Sn OVER 50u"/1.27um Ni ON THE TERMINATION AREA
POWER PIN: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA
AND 78u"/2.00um Sn OVER 50u"/1.27um Ni ON THE TERMINATION AREA

PART NUMBER 51952-063LF 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.

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.

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
lfr	ecm no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		projection		title	
C					.XXX±.005/0.XX±0.13					48S +3P	
				angles	.XXX±.002/0.XXX±0.051					VERTICAL SOLDER HEADER	
					0° ± 2°	INCH/MM		product family		code	
				dr	JM Guo 04/21/05	scale		PwrBlade		213	
				enrg	SLUO 04/21/05	1:1		size		sheet	
				chr	VICTOR LIN 04/21/05			A		4 of 4	
				appd	JOSEPH HSIA 04/21/05			51952-063			
sheet index	revision sheet										

A

A

B

B

1 | 2

Pro/E

3 |

cage code 22526

4