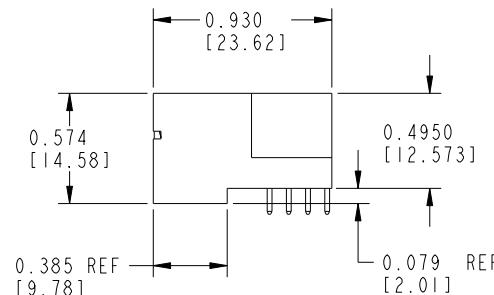
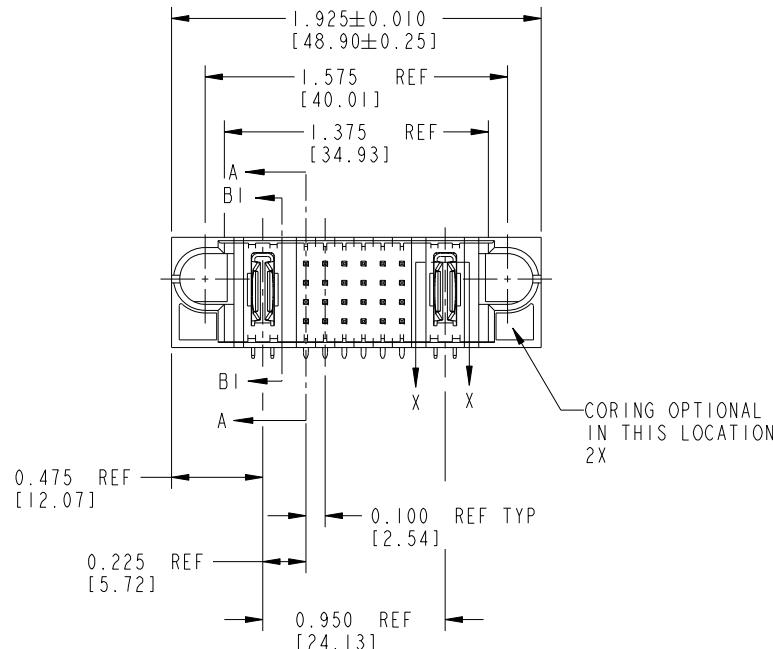
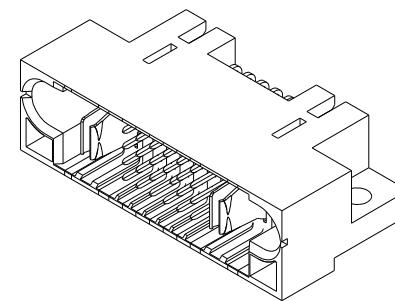
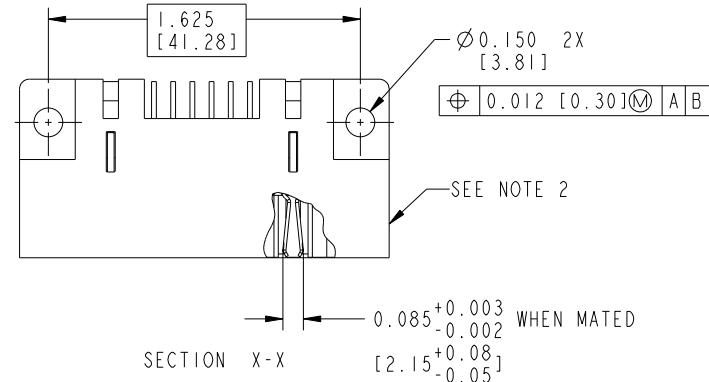


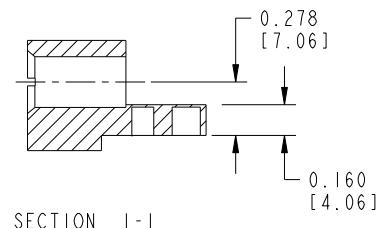
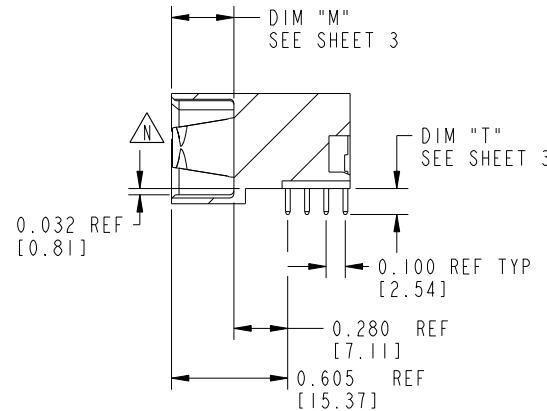
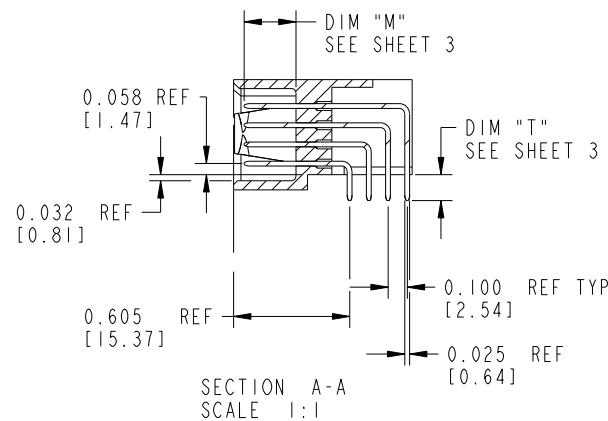


PRODUCT NUMBER
51415-00X
SEE NOTE: 3



mat'l code				SEE NOTES		tolerances unless otherwise specified		CUSTOMER COPY	projection	www.fciconnect.com
ltr	ecn no.	dr	date							
K	DG05-0064	SW	3/30/05			.XX±.011, X±.3				
L	DG05-0435	SW	11/03/05			.XXX±.005/, X±.13				
M	DG08-0237	W D	09/01/08			.XXXX±.0020/, XXX±.051				
N	DG08-0272	W D	09/25/08	dr	C. BAROT	01-12-99				
				engr	J. BROWN	01-12-99				
				chr	J. BROWN	01-12-99				
				oppd	J. BROWN	01-12-99				
sheet index		revision	N N	N N N						
sheet		1 2	3 4 5							

PRODUCT NUMBER
51415-00X--



PRODUCT NUMBER
51415-00X_-

ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010		DIM "T" TAIL LENGTH ±.020		CONTACT TYPE
PA	2	N/A	[N/A]	0.135	[3.43]	POWER
F	1	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

ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010		DIM "T" TAIL LENGTH ±.020		CONTACT TYPE
P	2	N/A	[N/A]	0.135	[3.43]	POWER
E	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
H	6	0.220	[5.59]	0.135	[3.43]	SIGNAL
S	1	0.270	[6.86]	0.135	[3.43]	SIGNAL

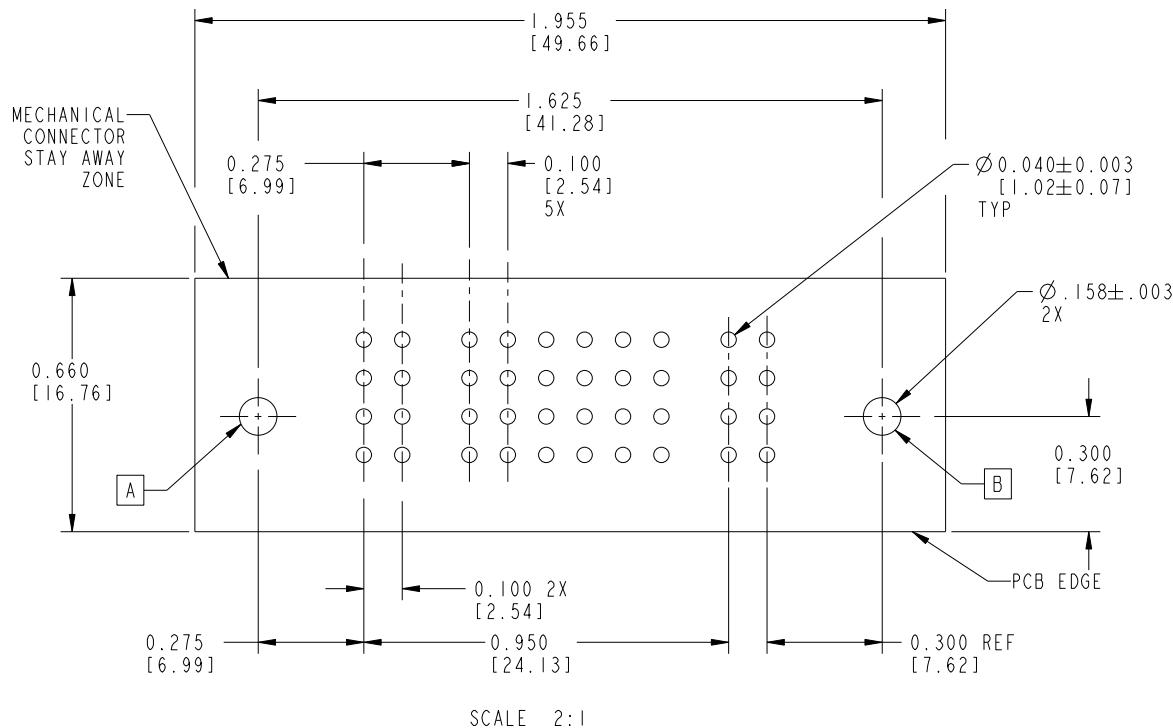
ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010		DIM "T" TAIL LENGTH ±.020		CONTACT TYPE
PS	2	N/A	[N/A]	0.135	[3.43]	POWER
F	1	0.220	[5.59]	0.135	[3.43]	SIGNAL
R	6	0.270	[6.86]	0.135	[3.43]	SIGNAL
S	5	0.270	[6.86]	0.135	[3.43]	SIGNAL
T	6	0.270	[6.86]	0.135	[3.43]	SIGNAL
U	6	0.270	[6.86]	0.135	[3.43]	SIGNAL

PRODUCT No.	ROWS		POWER	SIGNAL						POWER	
		E1	P1	1	2	3	4	5	6	P2	E2
51415-001-- NOTE (3)	D C B A			UUUUUU	TTTTTT	SSSFSS	RRRRRR			PA	PA

PRODUCT No.	ROWS		POWER	SIGNAL						POWER	
		E1	P1	1	2	3	4	5	6	P2	E2
51415-002- NOTE ③	D C B A			H	H	H	H	H	H		

PRODUCT No.	ROWS		POWER		SIGNAL		POWER					
		E1	P1	I	1	2	3	4	5	6	P2	E2
51415-003- NOTE (3)	D C B A											

PRODUCT NUMBER



RECOMMENDED PCB LAYOUT



1 | 2

3 |

4

PRODUCT NUMBER
51415-00X ..

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 51415-00X AND 51415-00XLF 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.

PCB NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
 7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.
 8. $\phi .0453 \pm 0.0010$ [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
 $\phi .040 \pm .003$ [$1.02 \pm .07$] HOLE.
 9. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
 10. CONNECTOR KEEP-OUT ZONE.
 11. A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE
 WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l code				SEE NOTES		tolerances unless otherwise specified		CUSTOMER COPY	FCI		www.fciconnect.com	
ltr	ecn no.	dr	date			, XX±.01 / 0.XX±0.3						
N				linear		, XXX±.005 / 0.XX±0.13		projection				
						, XXXX±.0005 / 0.XXX±.051						
				angles		0°±2°						
				dr	C. BAROT	01-12-99						
				engr	J. BROWN	01-12-99						
				chr	J. BROWN	01-12-99		scale				
				oppd	J. BROWN	01-12-99		1:1				
sheet index		revision sheet										

1 | 2

Pro/E

PDM: Rev:N

STATUS: Released

cage code 22506

Printed: Dec 20, 2010

B

B

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

[51425-001LF](#) [51425-002LF](#) [51820-10800000ABL](#) [51415-001](#) [51820-001LF](#)