

FCI L1314  
70448-XYYxx  
SEE NOTE-4

rev	ecn no	dr	date
F	-	PCH	2003/07/03
G	LS06-0089	LGO	2006/06/06
H	LS06-0114	LGO	2006/09/11
J	LS07-0134	MLE	2007/05/14
-	-	-	-
-	-	-	-
-	-	-	-

**GENERAL CHARACTERISTICS AND ROHS INFORMATIONS**  
See PRODUCT SPECIFICATION : GS-12-446

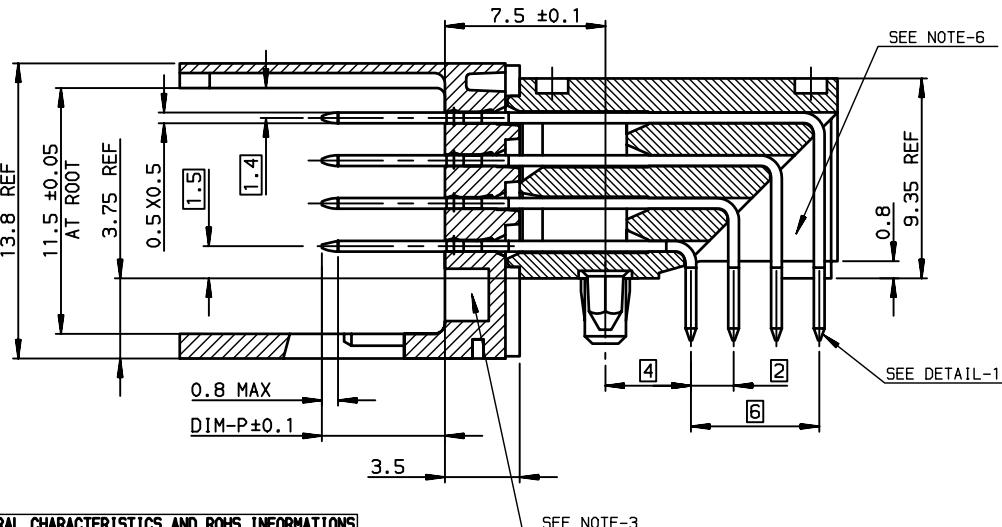
OTHERS INFORMATIONS, SEE DRW 70448-2/-3/-4/-5

P/N : see sheet 2

www.fciconnect.com			surface ISO 1302	tolerance std ISO 406 ISO 1101	projection	mm
TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	CHAMPION	1995/06/06	ANGULAR	0.X	±0.1	size
Eng	LENOIR	1995/06/06	LINEAR	0.XX	±0.1	A3
Chr	LEGARE	1995/06/06		0.XXX	±0.1	Scale
Appr	LEGARE	1995/06/06	Product family	METRAL		2.5:1
					ECN	LS07-0134
					Spec ref	-
FCI			METRAL RA HDR STB CONVERG NB 4x24 -4MODULES -SPECIAL LOADING			
catalog no			no			
70448-1			Rev.			
CUSTOMER			sheet 1 of 5			

NOTE-1: GENERAL CHARACTERISTICS ACCORDING TO GS-12-446  
NOTE-2: ONE CENTER PEG FOR HOLD DOWN FORCE  
NOTE-3: CODING RECESS FOR 8MM EXTENDED KEYS  
NOTE-4: PRODUCT MARKING = PRODUCT NUMBER + FCI+DATE CODE  
NOTE-5: PLATING ON MATING PART : SEE PROD SPEC: GS-12-446  
NOTE-6: CENTRAL WALL WITH END REAR SUPPORT  
NOTE-7: STANDARD PACKAGING IS TUBE , BUT IF SUFFIX "P" IS ADDED  
IN P/N,PACKAGING IS IN TRAYS,MARKING IS WITHOUT "P"  
Example: 70448-1xxPLF ,marking 70448-1xxLF

SECTION-A SCALE 4/1



SEE NOTE-3

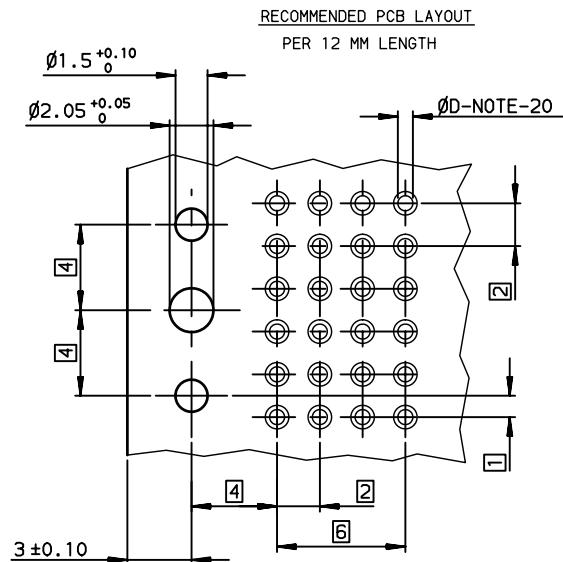
European Views

A

B

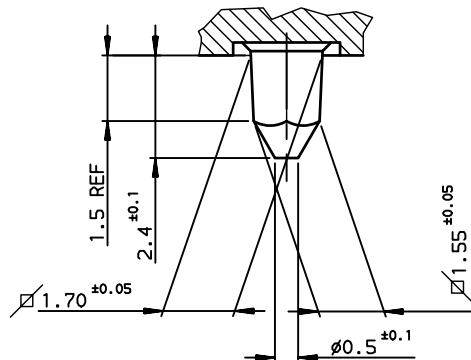
C

D

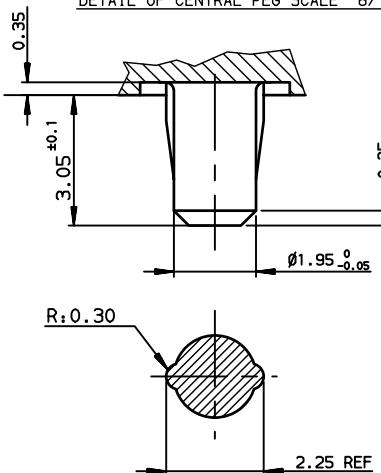


NOTE-20: PTH DIMENSIONS - ØD  
- DRILL DIAMETER = 0.85 REF  
- SEE DRAWING C-8626-0005

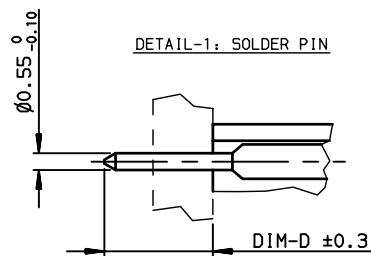
#### DETAIL OF LOCATING PEGS (2x) SCALE 8/1



#### DETAIL OF CENTRAL PEG SCALE 8/1



**GENERAL CHARACTERISTICS AND ROHS INFORMATIONS**  
See PRODUCT SPECIFICATION : GS-12-446



PART NUMBER	PERFORMANCE LEVEL
70448-1YY(LF)	STANDARD P/N, See Prod. Spec GS-12-446
70448-3YY(LF)	CUSTOMER SPECIAL , Specific Plating
70448-xYY(LF)	

OTHERS INFORMATIONS, SEE DRW 70448-1/-3/-4/-5

European Views

rev	ecn no	dr	date
F	-	PCH	2003/07/03
G	LS06-0089	LGO	2006/06/06
H	LS06-0114	LGO	2006/09/11
J	LS07-0134	MLE	2007/05/14
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com			surface ISO 1302	tolerance std ISO 406 ISO 1101	projection	mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	CHAMPION	1995/06/06	ANGULAR	LINEAR	0.X	±0.1
Eng	LENOIR	1995/06/06			0.XX	±0.1
Chr	LEGARE	1995/06/06	0.XX	±2°	0.XXX	±0.1
Appr	LEGARE	1995/06/06	Product family METRAL			
			METRAL			Spec ref -
			METRAL RA HDR STB CONVERV			Rev. J
			NB 4x24 -4MODULES -SPECIAL LOADING			70448-2
			catalog no -			CUSTOMER sheet 2 of 5

STANDARD P/N: 70448-X01		LEAD-FREE P/N: 70448-X01LF		CTS LOADING PATTERN																								
DIM-P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
ROW-D	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75		
ROW-C	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75		
ROW-B	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75		
ROW-A	5.00	6.50	6.50	6.50	6.50	6.50	6.50	6.50	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	6.50	6.50	6.50	6.50	6.50	6.50	5.00	5.00		
DIM-D	=2.9±0.3		NUMBER OF CTS = 96																									
STANDARD P/N: 70448-X02		LEAD-FREE P/N: 70448-X02LF		CTS LOADING PATTERN																								
DIM-P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
ROW-D	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	
ROW-C	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	
ROW-B	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	
ROW-A	5.00	6.50	6.50	6.50	6.50	6.50	6.50	6.50	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	6.50	6.50	6.50	6.50	6.50	6.50	5.00	5.00		
DIM-D	=3.7±0.3		NUMBER OF CTS = 96																									
STANDARD P/N: 70448-X03		LEAD-FREE P/N: 70448-X03LF		CTS LOADING PATTERN																								
DIM-P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
ROW-D		5.00				5.00		5.00			5.00			5.00		5.00	5.00		5.00		5.00		5.00		5.00		5.00	
ROW-C	5.00				5.00				5.00		5.00			5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00
ROW-B		5.00				5.00		5.00			5.00			5.00		5.00	5.00		5.00		5.00		5.00		5.00		5.00	
ROW-A	5.00		5.00		5.00				5.00		5.00			5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00
DIM-D	=2.9±0.3		NUMBER OF CTS = 43																									

( ALSO REPLACE B-STYLE P/N: 89034-X01)

OTHERS INFORMATIONS, SEE DRW 70448-1/-2/-4/-5

European Views

www.fciconnect.com			surface	tolerance std	projection	mm
			ISO 1302	ISO 406 ISO 1101		
TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	CHAMPION	1995/06/06	ANGULAR	0.X	±0.1	
Eng	CHAMPION	1995/06/06	LINEAR	0.XX	±0.1	
Chr	LEGARE	1995/06/06		0.XXX	±0.1	
H	LS06-0114	LGO	2006/09/11	Product family		
J	LS07-0134	MLE	2007/05/14	METRAL		
				METRAL		
				Spec ref		
				-		
				Rev.		
				70448-3		
				J		
				CUSTOMER		
				sheet 3 of 5		

A

A

STANDARD P/N: 70448-X04				LEAD-FREE P/N: 70448-X04LF				CTS LOADING PATTERN																			
DIM-P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
ROW-D		5.00		5.00		5.00		5.00			5.00		5.00	5.00	5.00		5.00		5.00		5.00		5.00		5.00		
ROW-C	5.00			5.00	5.00				5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		
ROW-B		5.00				5.00		5.00			5.00		5.00	5.00	5.00		5.00		5.00		5.00		5.00		5.00		
ROW-A	5.00		5.00		5.00				5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		
DIM-D	=2.9±0.3	NUMBER OF CTS = 45																									

STANDARD P/N: 70448-X05				LEAD-FREE P/N: 70448-X05LF				CTS LOADING PATTERN																			
DIM-P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
ROW-D	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	
ROW-C	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.00	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	6.50	6.50	5.75	5.75	5.75	
ROW-B	5.75	6.50	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	6.50	5.75	6.50	5.75	5.75	5.75	5.75	5.75	
ROW-A	6.50	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	6.50	5.75	6.50	5.75	5.75	5.75	5.75	
DIM-D	=2.9±0.3	NUMBER OF CTS = 96																									

( REPLACE B-STYLE P/N: 89034-X02)

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STANDARD P/N: 70448-X06				LEAD-FREE P/N: 70448-X06LF				CTS LOADING PATTERN																			
DIM-P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
ROW-D	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
ROW-C	6.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.50	6.50	
ROW-B	6.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.50	
ROW-A	6.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.50	
DIM-D	=2.9±0.3	NUMBER OF CTS = 96																									

( REPLACE B-STYLE P/N: 89034-X03)

OTHERS INFORMATIONS, SEE DRW 70448-1/-2/-3/-5

surface				tolerance std		projection	mm
ISO 1302				ISO 406 ISO 1101		size	Scale
TOLERANCES UNLESS OTHERWISE SPECIFIED				ANGULAR	LINEAR		
Dr	CHAMPION	1995/06/06			0.X	±0.1	
Eng	LENOIR	1995/06/06			0.XX	±0.1	
Chr	LEGARE	1995/06/06	0.XX	±2°	0.XXX	±0.1	ECN LS07-0134
Appr	LEGARE	1995/06/06	Product family		METRAL		Spec ref -
J	LS07-0134	MLE	2007/05/14				
-	-	-	-				
-	-	-	-				
-	-	-	-				
FCJ	METRAL RA HDR STB CONVERG				ø	Rev. J	
	NB 4x24 -4MODULES -SPECIAL LOADING				dwg	70448-4	
	catalog no				-	CUSTOMER sheet 4 of 5	

( REPLACE B-STYLE P/N: 89034-X04)

STANDARD P/N: 70448-X08				LEAD-FREE P/N: 70448-X08LF				CTS LOADING PATTERN																	
DIM-P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
ROW-D																									
ROW-C	5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00
ROW-B	5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00
ROW-A	5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00
DIM-D = 2.9±0.3		NUMBER OF CTS = 36																							

(REPLACE B-STYLE P/N: 89034-X05)

(REPLACE B-STYLE P/N: 89034-X09)

OTHERS INFORMATIONS, SEE DRW 70448-1/-2/-3/-4

European Views

www.fciconnect.com			surface	✓	tolerance std		projection	mm
			ISO 1302		ISO 406	ISO 1101		
TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	CHAMPION	1995/06/06	ANGULAR	LINEAR	0.X	±0.1	A3	Scale 4:1
Eng	LENOIR	1995/06/06			0.XX	±0.1		
Chr	LEGARE	1995/06/06			0.XXX	±0.1		
Appr	LEGARE	1995/06/06	Product family		METRAL	Spec ref	-	
4	title		METRAL RA HDR STB CONVERG			Rev.		
	NB 4x24 -4MODULES -SPECIAL LOADING		dwg	70448-5			J	
	catalog no		-	CUSTOMER		sheet	5 of 5	

# Mouser Electronics

Authorized Distributor

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