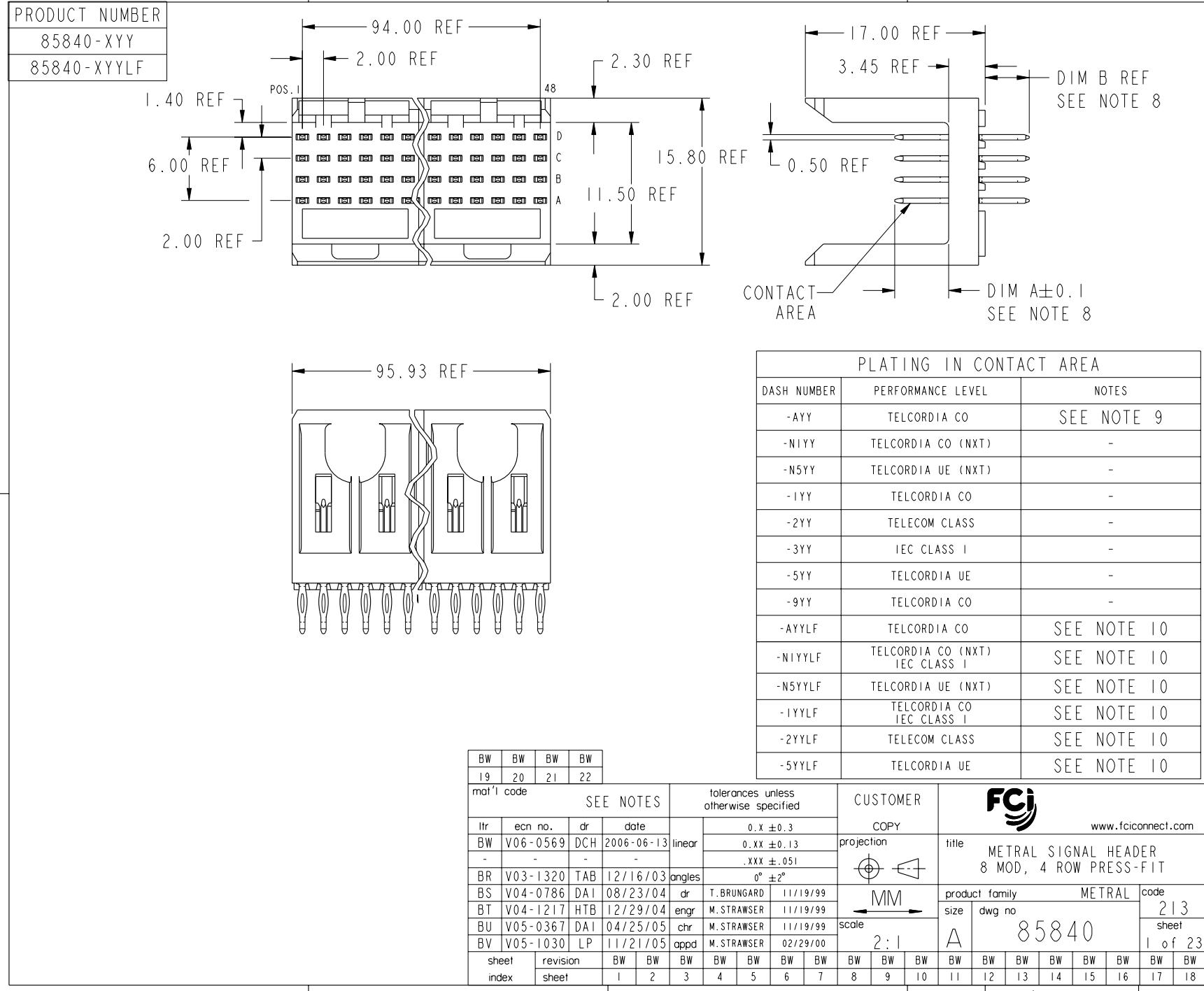
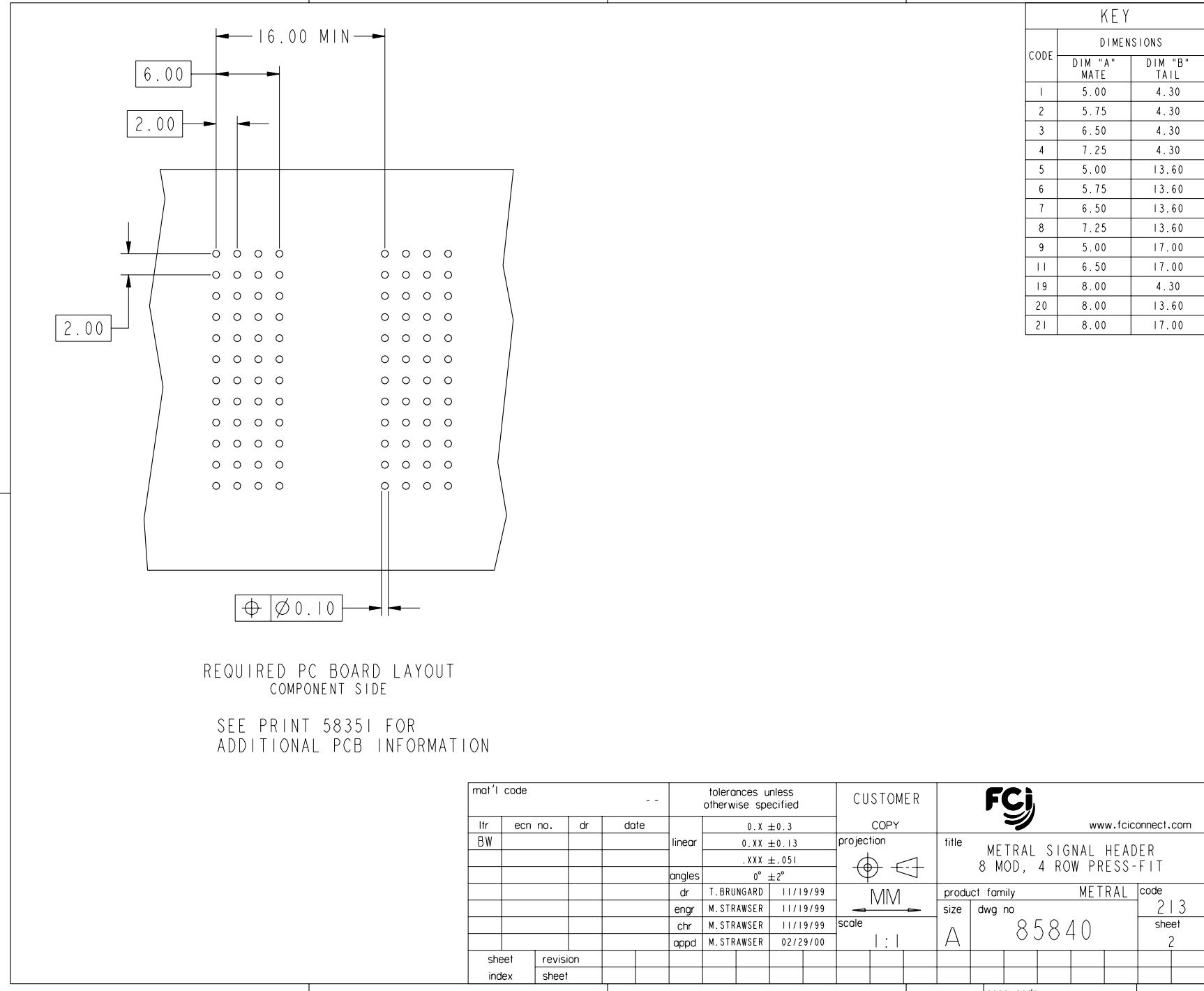


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ltr	ecn no.	dr	date	0. X $\pm$ 0.3	COPY				
BW	linear			0. XX $\pm$ 0.13	projection	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT		
				.XXX $\pm$ .051					
				0° $\pm$ 2°					
angles			dr	T. BRUNGARD 11/19/99	MM	product family	METRAL	code	
			engr	M. STRAWSER 11/19/99		size	dwg no	213	
			chr	M. STRAWSER 11/19/99					
			appd	M. STRAWSER 02/29/00					
sheet index		revision sheet			scale   :	A	85840	sheet 3	
		Pro/E			3	cage code		22526	4

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ltr	ecn no.	dr	date	linear	0. X ± 0. 3				COPY
BW				linear	0. XX ± 0. 13	projection	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT	
				linear	. XXX ± 0. 051				
				angles	0° ± 2°				
				dr	T.BRUNGARD 11/19/99	MM			
				engr	M.STRAWSER 11/19/99		product family	METRAL	code
				chr	M.STRAWSER 11/19/99	scale			
				oppd	M.STRAWSER 02/29/00	1 : 1			
sheet	revision								
index	sheet								

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BW				linear	0. XX $\pm$ 0.13		projection		title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT		
					. XXX $\pm$ .051							
					0° $\pm$ 2°							
			angles	dr	T. BRUNGARD	11/19/99	MM	product family		METRAL	code	
				engr	M. STRAWSER	11/19/99		size	dwg no		85840	213
				chr	M. STRAWSER	11/19/99			scale			
				appd	M. STRAWSER	02/29/00			:			
sheet index		revision sheet										
		Pro/E				3		cage code		22526		4

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REV E - 2006-04-18

mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com								
ltr	ecn no.	dr	date	linear	0. X $\pm$ 0.3				COPY							
BW				linear	0. XX $\pm$ 0.13	projection	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT								
					.XXX $\pm$ .051											
					0° $\pm$ 2°											
				dr	T.BRUNGARD 11/19/99	MM	product family		METRAL	code						
				engr	M.STRAWSER 11/19/99		scale	size	dwg no	A 85840	213					
				chr	M.STRAWSER 11/19/99						A : 1	A	85840	sheet		
				oppd	M.STRAWSER 02/29/00											
sheet	revision															
index	sheet															

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI	www.fciconnect.com		
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BW		linear	0. XX $\pm$ 0.13	projection	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT				
			. XXX $\pm$ .051							
			0° $\pm$ 2°							
		dr	T. BRUNGARD 11/19/99	MM	product family		METRAL	code		
		engr	M. STRAWSER 11/19/99		size		dwg no	213		
		chr	M. STRAWSER 11/19/99	scale	A		85840	sheet		
		oppd	M. STRAWSER 02/29/00					9		
sheet	revision									
index	sheet									
Part F				3	cage code		22526	4		

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mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com			
Itr	ecn no.	dr	date	linear	0. X ± 0.3				COPY		
BW				linear	0. XX ± 0.13	projection	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT			
					.XXX ± 0.051						
				angles	0° ± 2°						
				dr	T.BRUNGARD	11/19/99	MM	product family	METRAL	code	
				engr	M.STRAWSER	11/19/99					
				chr	M.STRAWSER	11/19/99	scale	size	dwg no	sheet	
				oppd	M.STRAWSER	02/29/00					
sheet	revision										
index	sheet										
			Proc E				3	cage code		22526	1

METRAL P/N	CONTACT CODE		MOD. 2				MOD. 3				MOD. 4				MOD. 5				MOD. 6				MOD. 7				MOD. 8																						
	ROW	MOD. 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
85840-X42	D	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	
SEE NOTE 11 LEAD FREE OPTION	C	1	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	1				
	B	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4				
	A	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4				

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mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0. X ± 0.3	COPY projection				title METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT		
BW					0. XX ± 0. 13							
					. XXX ± 0. 051							
				angles	0° ± 2°	MM scale				product family METRAL code 213 size dwg no A sheet 85840 		
					dr T. BRUNGARD 11/19/99							
					engr M. STRAWSER 11/19/99							
					chr M. STRAWSER 11/19/99							
				appd M. STRAWSER 02/29/00								
sheet index	revision sheet											
								spec. code				

METRAL P/N	CONTACT CODE		MOD. 2				MOD. 3				MOD. 4				MOD. 5				MOD. 6				MOD. 7				MOD. 8																										
	MOD.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48				
85840-X47	D	3	3	3	3	3	3	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5
SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3	3	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	
	B	3	3	3	3	3	3	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	
	A	3	3	3	3	3	3	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	

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METRAL P/N	ROW	CONTACT CODE		MOD. 1				MOD. 2				MOD. 3				MOD. 4				MOD. 5				MOD. 6				MOD. 7				MOD. 8																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48		
85840-X50  SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	3	3	3	1	2	2	2	5	2	2	2	1	2	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3
	C	1	1	1	1	1	1	1	3	3	3	1	2	2	2	5	2	2	2	1	2	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	3
	B	1	1	1	1	1	1	1	3	3	3	1	2	2	2	5	2	2	2	1	2	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	3
	A	1	1	1	1	1	1	1	3	3	3	1	2	2	2	5	2	2	2	1	1	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1

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Itr	ecn no.	dr	date	linear	0. X ± 0.3				COPY		
BW				linear	0. XX ± 0.13	projection	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT			
					.XXX ± 0.051						
				angles	0° ± 2°						
				dr	T.BRUNGARD 11/19/99	MM					
				engr	M.STRAWSER 11/19/99		product family	METRAL	code		
				chr	M.STRAWSER 11/19/99	scale			size	dwg no	213
				oppd	M.STRAWSER 02/29/00				A	85840	sheet
sheet	revision										13
index	sheet										
				Pkg E			2	cage code		22526	4

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Itr	ecn no.	dr	date	linear	0. X $\pm$ 0.3			COPY		
BW				linear	0. XX $\pm$ 0.13	projection	title			METRAL SIGNAL HEADER
				linear	. XXX $\pm$ .051	projection				8 MOD, 4 ROW PRESS-FIT
				angles	0° $\pm$ 2°	projection				
				dr	T. BRUNGARD 11/19/99	MM	product family		METRAL	code
				engr	M. STRAWSER 11/19/99	scale	size		dwg no	213
				chr	M. STRAWSER 11/19/99	scale	A		85840	sheet
				oppd	M. STRAWSER 02/29/00	scale	A		85840	14
sheet	revision									
index	sheet									
		Pkg F				3	cage code		22526	4

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REV F : 2006-04-18

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Itr	ecn no.	dr	date	linear	0. X $\pm$ 0.3			COPY		
BW				linear	0. XX $\pm$ 0.13	projection	title			
				angles	. XXX $\pm$ 0.051		METRAL SIGNAL HEADER			
				angles	0° $\pm$ 2°		8 MOD, 4 ROW PRESS-FIT			
				dr	T. BRUNGARD 11/19/99	MM	product family		METRAL	code
				engr	M. STRAWSER 11/19/99		size		dwg no	
				chr	M. STRAWSER 11/19/99	scale	A		85840	213
				appd	M. STRAWSER 02/29/00		:			sheet
sheet index	revision									
	sheet									
				Proj/E		3	cage code		22526	4

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ltr	ecn no.	dr	date	linear	0. X $\pm$ 0.3	projection	COPY				
BW					0. XX $\pm$ 0.13			title		METRAL SIGNAL HEADER	
					.XXX $\pm$ .051					8 MOD, 4 ROW PRESS-FIT	
				angles	0° $\pm$ 2°						
				dr	T. BRUNGARD	11/19/99	MM	product family		METRAL	code
				engr	M. STRAWSER	11/19/99	← →	size		dwg no	213
				chr	M. STRAWSER	11/19/99	scale	A		85840	
				appd	M. STRAWSER	02/29/00	:				
sheet index	revision										
	sheet										
	Prc/E					3		cage code		22526	4

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					. XXX $\pm$ .051								
					0° $\pm$ 2°								
			dr	T. BRUNGARD	11/19/99	MM	product family		METRAL		code		
			engr	M. STRAWSER	11/19/99		size	dwg no	A 85840		sheet	213	
			chr	M. STRAWSER	11/19/99								scale
			appd	M. STRAWSER	02/29/00								
sheet index	revision sheet												
				Pro/E		3	cage code		22526		4		

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Itr	ecn no.	dr	date	linear	0. X ± 0.3	COPY		www.fciconnect.com									
BW					0. XX ± 0.13	projection		title									
					.XXX ± .051												
					0° ± 2°												
				angles	dr	T. BRUNNARD	11/19/99	MM	product	family	METRAL	code					
					engr	M. STRAWSER	11/19/99		size	dwg no	A 85840		213				
					chr	M. STRAWSER	11/19/99						scale		A 85840		sheet
					oppd	M. STRAWSER	02/29/00										1 : 1
sheet	revision																
index	sheet																
B10-15				3		cage code		222226		1							

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ltr	ecn no.	dr	date	0. X $\pm$ 0.3	COPY				
BW				linear	0. XX $\pm$ 0.13	projection	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT	
					. XXX $\pm$ .051				
				angles	0° $\pm$ 2°				
				dr	T.BRUNGARD 11/19/99	MM	product family	METRAL	code
				engr	M.STRAWSER 11/19/99				
				chr	M.STRAWSER 11/19/99				
				oppd	M.STRAWSER 02/29/00				
sheet	revision					scale	size	dwg no	
index	sheet						A	85840	213
									sheet
									19
				Pro/E	3	cage code	22526	4	



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		1   2		3		4																																										
METRAL P/N	CONTACT CODE MOD. 1	MOD. 2				MOD. 3				MOD. 4				MOD. 5				MOD. 6				MOD. 7				MOD. 8																						
		ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
85840-X86  SEE NOTE II LEAD FREE OPTION	D	8	8	20	20	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	2	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	1	1	19	2	1	2			
	C	8	8	20	20	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	2	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
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	A	8	8	20	20	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	2	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
85840-X87  SEE NOTE II LEAD FREE OPTION	D	4	4	19	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	1	1	19	2	1	2			
	C	4	4	19	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
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85840-X88  SEE NOTE II LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
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85840-X89  SEE NOTE II LEAD FREE OPTION	D	4	4	19	3	19	4	1	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
	C	4	4	19	3	19	4	1	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	B	4	4	19	3	19	4	1	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	A	4	4	19	3	19	4	1	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
85840-X90  SEE NOTE II LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	

mat'l code				tolerances unless otherwise specified				CUSTOMER COPY	projection	title	product family	code
ltr	ecn no.	dr	date	0. X ± 0.3	0. XX ± 0.13	. XXX ± .051	0° ± 2°					
				linear	angles	dr	engr	chr	appd	8 MOD, 4 ROW PRESS-FIT	dwg no	
										85840	sheet	
											B	
sheet	revision	sheet	index									
Pro/E												
3												
PDM: Rev:BW												
STATUS:Released												
Printed: Jun 03, 2009												

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mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI	www.fciconnect.com					
ltr	ecn no.	dr	date	linear	0. X $\pm$ 0.3								
BW				linear	0. XX $\pm$ 0.13	projection	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT						
					.XXX $\pm$ 0.051								
				angles	0° $\pm$ 2°								
				dr	T. BRUNGARD 11/19/99								
				engr	M. STRAWSER 11/19/99	MM	product family		METRAL	code			
				chr	M. STRAWSER 11/19/99		size	dwg no	85840	213			
				appd	M. STRAWSER 02/29/00					sheet			
							A			21			
sheet	revision												
index	sheet												
				Proj/E		3	cage code		22526	4			

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PRODUCT NUMBER
85840-XYY
85840-XYYLF

## NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL:  
PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL:  
85840-XYY IS SnPb  
85840-XYYLF IS Sn (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE.
5. PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
6. ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.  
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"  
WILL BE ADDED TO THE END OF THE PART NUMBER.  
EXAMPLE: XXXXX-XXXP OR XXXXX-XXPLF
7. PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
8. AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
9. -A PLATING HAS Au FLASH IN PRESS FIT  
AREA (LEAD FREE).
10. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.
11. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE: 85840-X01LF
12. ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-NI--- OR (DRAWING NO.)-N5--- WILL WITHSTAND EXPOSURE  
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR  
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-NI---  
AND (DRAWINGS NO.)-N5--- WILL NOT WITHSTAND REFLOW AND Au CONTACT  
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR  
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

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mat'l code				tolerances unless otherwise specified			CUSTOMER COPY	title	product family	METRAL	code
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BW					0.00 ± 0.13						
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						dr	T.BRUNGARD	11/19/99			
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						chr	M.STRAWSER	11/19/99			
						appd	M.STRAWSER	02/29/00			
				sheet	revision						
				index	sheet						
B											



www.fciconnect.com

title METRAL SIGNAL HEADER  
8 MOD, 4 ROW PRESS-FIT

product family METRAL

code 213

size dwg no

sheet 23

85840

# Mouser Electronics

Authorized Distributor

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