



NOTES:  
 1.COPLANARITY IS 0.1 mm MAX.  
 2.MATERIAL : HOUSING: FOR 48227-XXX1 & 48227-XXX2  
 NYLON46,40% GLASS FILLED,UL 94V-0.  
 COLOR: SEE TABLE  
 FOR 48227-XXX3  
 LCP,HALOGEN FREE,  
 40% GLASS FILLED,UL 94V-0.  
 COLOR: SEE TABLE  
 TERMINAL: PHOSPER BRONZE  
 FITTING NAIL: PHOSPER BRONZE

3.FINISHES :  
 TERMINAL : SEE TABLE  
 FITTING NAIL: SEE TABLE  
 4.PRODUCT SPECIFICATION REFER TO PS-48226-001  
 5.PACKAGING DRAWING REFER TO PK-48227-001  
 6.TEST SUMMARY REFER TO TS-48226-001  
 7.LEAD FREE AND ROHS COMPLIANT PRODUCT  
 8.P/N LEGEND 48227-XXXX

NO OF CKTS \_\_\_\_\_ MATERIAL & COLOR:  
 1=NYLON 46, NATURAL(WHITE)  
 2=NYLON 46, BLACK  
 3=LCP, BLACK

PLATING \_\_\_\_\_  
 0:GOLD FLASH OVER ALL  
 1:TIN PLATED (MATTE) OVER ALL  
 2:TIN PLATED (BRIGHT) OVER ALL.

MOD. HSG MATERIAL EC NO: SHZ012-0064 DRWN:FYANG05 2011/08/19 CHKD: APPR:RZHANG 2011/09/26	QUALITY SYMBOLS ▽=0 ⊕=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.25 ± ---	1 PLACE ± 0.25 ± ---	ANGULAR ± 3 °	DRAWN BY BERNIE	DATE 2005/11/18	TITLE 1.0 MM WTB RIGHT ANGLE HEADER SMT TYPE		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		APPROVED BY WILSON		DATE 2005/11/18	MOLEX INCORPORATED		
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			MATERIAL NO. SD-48227-001		SHEET NO. 1 OF 3		

	10	9	8	7	6	5	4	3	2	1			
F	MOLEX PART NO.	HOUSING COLOR&MATERIAL	TERMINAL PLATING	FITTING NAIL PLATING	DIMA	DIMB	DIMC	CKT					
	48227-0201	NATURE(WHITE) NYLON46	GOLD FLASH OVER ALL THICKNESS : 0.025 MM MIN. NICKEL UNDER PLATED OVER ALL	GOLD FLASH OVER ALL THICKNESS : 0.025 MM MIN. NICKEL UNDER PLATED OVER ALL	1.0	2.4	4.0	2					
	48227-0301				2.0	3.4	5.0	3					
	48227-0302	BLACK NYLON46			2.0	3.4	5.0	3					
	48227-0401	NATURE(WHITE) NYLON46			3.0	4.4	6.0	4					
	48227-0501				4.0	5.4	7.0	5					
	48227-0601				5.0	6.4	8.0	6					
	48227-0701				6.0	7.4	9.0	7					
	48227-0801				7.0	8.4	10.0	8					
	48227-0901				8.0	9.4	11.0	9					
	48227-1001				9.0	10.4	12.0	10					
	48227-1101				10.0	11.4	13.0	11					
	48227-1201				11.0	12.4	14.0	12					
	48227-1301				12.0	13.4	15.0	13					
	48227-1401	13.0			14.4	16.0	14						
	48227-1501	14.0			15.4	17.0	15						
	48227-1601	15.0			16.4	18.0	16						
	48227-1701	16.0			17.4	19.0	17						
	48227-1801	17.0			18.4	20.0	18						
	48227-1901	18.0			19.4	21.0	19						
48227-2001	19.0	20.4			22.0	20							
E	48227-0211	NATURE(WHITE) NYLON46	TIN PLATED (MATTE) OVER ALL THICKNESS : 2.54 MM MIN. NICKEL UNDER PLATED OVER ALL	TIN PLATED (MATTE) OVER ALL THICKNESS : 2.54 MM MIN. NICKEL UNDER PLATED OVER ALL	1.0	2.4	4.0	2					
	48227-0321	2.0			3.4	5.0	3						
	48227-0322	BLACK NYLON46			2.0	3.4	5.0	3					
	48227-0421	NATURE(WHITE) NYLON46			3.0	4.4	6.0	4					
	48227-0521				4.0	5.4	7.0	5					
	48227-0621				5.0	6.4	8.0	6					
	48227-0721				6.0	7.4	9.0	7					
	48227-0821				7.0	8.4	10.0	8					
	48227-0921				8.0	9.4	11.0	9					
	48227-1021				9.0	10.4	12.0	10					
48227-1121	10.0		11.4	13.0	11								
48227-1221	11.0		12.4	14.0	12								
48227-1321	12.0		13.4	15.0	13								
D	48227-1421	NATURE(WHITE) NYLON46	13.0	14.4	16.0	14							
	48227-1521		14.0	15.4	17.0	15							
	48227-1621		15.0	16.4	18.0	16							
	48227-1721		16.0	17.4	19.0	17							
	48227-1821		17.0	18.4	20.0	18							
	48227-1921		18.0	19.4	21.0	19							
	48227-2021		19.0	20.4	22.0	20							
	C		48227-0211	NATURE(WHITE) NYLON46	TIN PLATED (BRIGHT) OVER ALL THICKNESS : 0.025 MM MIN. NICKEL UNDER PLATED OVER ALL	TIN PLATED (BRIGHT) OVER ALL THICKNESS : 0.025 MMR MIN. NICKEL UNDER PLATED OVER ALL	1.0	2.4	4.0	2			
			48227-0311	2.0			3.4	5.0	3				
			48227-0312	BLACK NYLON46			2.0	3.4	5.0	3			
48227-0411		NATURE(WHITE) NYLON46	3.0	4.4			6.0	4					
48227-0511			4.0	5.4			7.0	5					
48227-0611			5.0	6.4			8.0	6					
48227-0711			6.0	7.4			9.0	7					
48227-0811			7.0	8.4			10.0	8					
48227-0911			8.0	9.4			11.0	9					
B			48227-1011	NATURE(WHITE) NYLON46			9.0	10.4	12.0	10			
	48227-1111		10.0		11.4	13.0	11						
	48227-1211		11.0		12.4	14.0	12						
	48227-1311		12.0		13.4	15.0	13						
	48227-1411	13.0	14.4		16.0	14							
	48227-1511	14.0	15.4		17.0	15							
	48227-1611	15.0	16.4		18.0	16							
	48227-1711	16.0	17.4		19.0	17							
	48227-1811	17.0	18.4		20.0	18							
	48227-1911	18.0	19.4		21.0	19							
A	48227-2011	NATURE(WHITE) NYLON46	19.0	20.4	22.0	20							
	48227-2111		2.0	3.4	5.0	3							
	48227-2211		3.0	4.4	6.0	4							
	48227-2311		4.0	5.4	7.0	5							
	48227-2411		5.0	6.4	8.0	6							
	48227-2511		6.0	7.4	9.0	7							
	48227-2611		7.0	8.4	10.0	8							
	48227-2711		8.0	9.4	11.0	9							
	48227-2811		9.0	10.4	12.0	10							
	48227-2911		10.0	11.4	13.0	11							

<b>SEE SHEET 1</b> EC NO: SH2012-0064 DRAWN: YANG05 2011/08/19 CHKD: APPR: RZHANG 2011/09/26 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	=0 =0	mm INCH	MM ONLY	1:1	METRIC	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °	DRAWN BY DATE BERNIE 2005/11/18 CHECKED BY DATE ERIC KAO 2005/11/18 APPROVED BY DATE WILSON 2005/11/18 MATERIAL NO.	TITLE		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	1.0 MM WTB RIGHT ANGLE HEADER SMT TYPE MOLEX INCORPORATED DOCUMENT NO. SD-48227-001 SHEET NO. 2 OF 3		

10 9 8 7 6 5 4 3 2 1

MOLEX PART NO.	HOUSING COLOR&MATERIAL	TERMINAL PLATING	FITTING NAIL PLATING	DIMA	DIMB	DIMC	CKT
48227-0203	BLACK LCP HALOGEN FREE	GOLD FLASH OVER ALL THICKNESS : 0.025 MM MIN. NICKEL UNDER PLATED OVER ALL	GOLD FLASH OVER ALL THICKNESS : 0.025 MM MIN. NICKEL UNDER PLATED OVER ALL	1.0	2.4	4.0	2
48227-0303				2.0	3.4	5.0	3
48227-0403				3.0	4.4	6.0	4
48227-0503				4.0	5.4	7.0	5
48227-0603				5.0	6.4	8.0	6
48227-0703				6.0	7.4	9.0	7
48227-0803				7.0	8.4	10.0	8
48227-0903				8.0	9.4	11.0	9
48227-1003				9.0	10.4	12.0	10
48227-1103				10.0	11.4	13.0	11
48227-1203				11.0	12.4	14.0	12
48227-1303				12.0	13.4	15.0	13
48227-1403				13.0	14.4	16.0	14
48227-1503				14.0	15.4	17.0	15
48227-1603				15.0	16.4	18.0	16
48227-1703				16.0	17.4	19.0	17
48227-1803				17.0	18.4	20.0	18
48227-1903				18.0	19.4	21.0	19
48227-2003				19.0	20.4	22.0	20
48227-0213				BLACK LCP HALOGEN FREE	TIN PLATED (MATTE) OVER ALL THICKNESS : 2.54 MM MIN. NICKEL UNDER PLATED OVER ALL	TIN PLATED (MATTE) OVER ALL THICKNESS : 2.54 MM MIN. NICKEL UNDER PLATED OVER ALL	1.0
48227-0313	2.0	3.4	5.0				3
48227-0413	3.0	4.4	6.0				4
48227-0513	4.0	5.4	7.0				5
48227-0613	5.0	6.4	8.0				6
48227-0713	6.0	7.4	9.0				7
48227-0813	7.0	8.4	10.0				8
48227-0913	8.0	9.4	11.0				9

MOLEX PART NO.	HOUSING COLOR&MATERIAL	TERMINAL PLATING	FITTING NAIL PLATING	DIMA	DIMB	DIMC	CKT			
48227-1013	BLACK LCP HALOGEN FREE	TIN PLATED (MATTE) OVER ALL THICKNESS : 2.54 MM MIN. NICKEL UNDER PLATED OVER ALL	TIN PLATED (MATTE) OVER ALL THICKNESS : 2.54 MM MIN. NICKEL UNDER PLATED OVER ALL	9.0	10.4	12.0	10			
48227-1113				10.0	11.4	13.0	11			
48227-1213				11.0	12.4	14.0	12			
48227-1313				12.0	13.4	15.0	13			
48227-1413				13.0	14.4	16.0	14			
48227-1513				14.0	15.4	17.0	15			
48227-1613				15.0	16.4	18.0	16			
48227-1713				16.0	17.4	19.0	17			
48227-1813				17.0	18.4	20.0	18			
48227-1913				18.0	19.4	21.0	19			
48227-2013				19.0	20.4	22.0	20			
48227-0223				BLACK LCP HALOGEN FREE	TIN PLATED (BRIGHT) OVER ALL THICKNESS : 2.54 MM MIN. NICKEL UNDER PLATED OVER ALL	TIN PLATED (BRIGHT) OVER ALL THICKNESS : 2.54 MM MIN. NICKEL UNDER PLATED OVER ALL	1.0	2.4	4.0	2
48227-0323							2.0	3.4	5.0	3
48227-0423							3.0	4.4	6.0	4
48227-0523							4.0	5.4	7.0	5
48227-0623							5.0	6.4	8.0	6
48227-0723							6.0	7.4	9.0	7
48227-0823							7.0	8.4	10.0	8
48227-0923							8.0	9.4	11.0	9
48227-1023							9.0	10.4	12.0	10
48227-1123	10.0	11.4	13.0				11			
48227-1223	11.0	12.4	14.0	12						
48227-1323	12.0	13.4	15.0	13						
48227-1423	13.0	14.4	16.0	14						
48227-1523	14.0	15.4	17.0	15						
48227-1623	15.0	16.4	18.0	16						
48227-1723	16.0	17.4	19.0	17						
48227-1823	17.0	18.4	20.0	18						
48227-1923	18.0	19.4	21.0	19						
48227-2023	19.0	20.4	22.0	20						

<b>SEE SHEET1</b> EC NO: SH2012-0064 DRW: FANG05 2011/08/19 CHKD: APPR: RZHANG 2011/09/26 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr><th colspan="2">mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>2 PLACES</td><td>± 0.25</td><td>± ---</td></tr> <tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr> </table> ANGULAR ± 3 °	mm		INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± 0.25	± ---	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	mm		INCH																		
	4 PLACES		± ---	± ---																	
	3 PLACES		± ---	± ---																	
2 PLACES	± 0.25	± ---																			
1 PLACE	± 0.25	± ---																			
		MM ONLY	1:1	METRIC																	
		DRAWN BY DATE	TITLE																		
		BERNIE 2005/11/18	1.0 MM WTB RIGHT ANGLE HEADER SMT TYPE																		
		CHECKED BY DATE	MOLEX MOLEX INCORPORATED																		
		ERIC KAO 2005/11/18	DOCUMENT NO.																		
		APPROVED BY DATE	SHEET NO.																		
		WILSON 2005/11/18	SD-48227-001																		
		MATERIAL NO.	3 OF 3																		
		SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		

9 8 7 6 5 4 3 2 1