



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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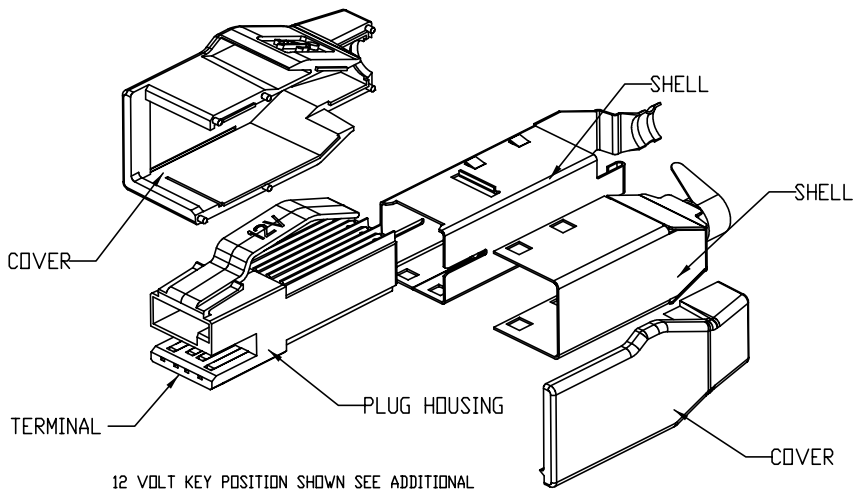
4

PRODUCT NUMBER
SEE TABLE

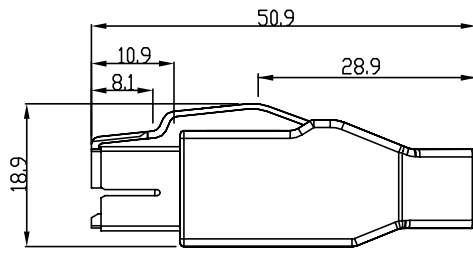
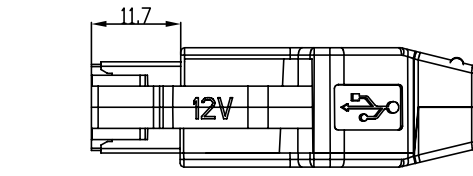
KIT PARTS
SCALE 1.000

MATERIALS	SPECIFICATIONS
SHELLS	STAINLESS STEEL
HOUSINGS	THERMOPLASTIC UL94V-0 RATED
TERMINALS	HIGH STRENGTH COPPER ALLOY
COVERS	THERMOPLASTIC UL94V-0 RATED; COLOR: SEE TABLE.
PLATING	
SHELL	UNDERPLATE; 40 MICROINCHES Ni MIN 100 MICROINCHES MIN TIN (TIN/LEAD)
TERMINALS	UNDERPLATE; 40 MICROINCHES Ni CONTACT AREA; 30 MICROINCHES GXT TAIL AREA; 100 MICROINCHES TIN (TIN/LEAD)
ELECTRICAL	
VOLTAGE RATING	USB;5.25VDC,+POWER;12VDC,24VDC,5VDC,48VDC
DIELECTRIC WITHSTANDING VOLTAGE	750 VAC
INSULATION RESISTANCE	1000 MEG OHMS AT 500 VDC
CURRENT RATING (NOTE 1)	1.50A USB SECTION 3.00A POWER SECTION

A



12 VOLT KEY POSITION SHOWN SEE ADDITIONAL SHEETS FOR OTHER KEYING OPTIONS



FOR ALL PRODUCT EXCEPT 74233-221LF

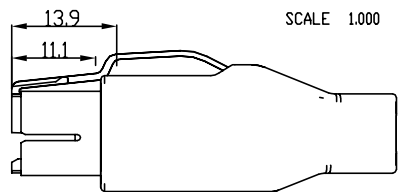
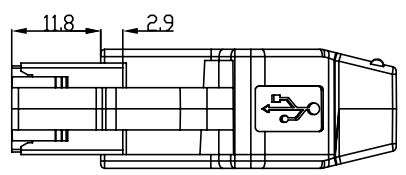
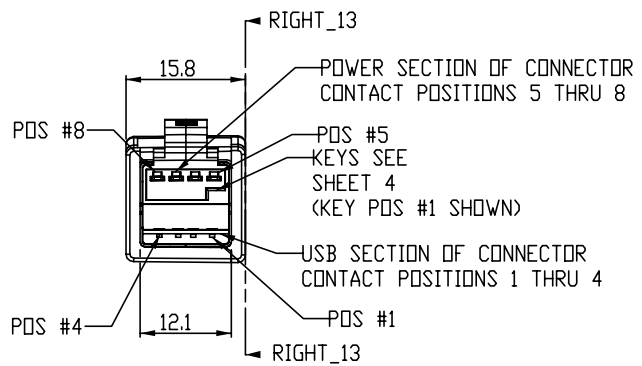
B

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SCALE 1.000

ONLY FOR 74233-221LF

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mat'l code		SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI			
ltr	ecn no.	dr	date	linear	.X ± 0.3	COPY		www.fciconnect.com			
J	N04-0069	PH	10/18/2004		.XX ± 0.13	projection		title			
K	N05-0255	PH	09/09/2005		.XXX ± 0.05			USB+ POWER PLUG KIT ASSEMBLY			
L	N08-0122	BS	06/16/2008	angles	0° ± 2°			product family			
M	N09-0123	R.B	04/24/2009	dr	P. HSU	10/6/97	MM		USB		
N	N09-0340	R.B	10/22/2009	engr	R. MACMULLIN	10/6/97	← →		code		
P	EDN-ELX-N-006068	A.ZH	09/20/2011	chr	R.MACMULLIN	10/6/97	scale		size		
R	EDN-ELX-N-010944	A.ZH	03/22/2012	appd	R. MACMULLIN	10/6/97	1:1		dwg no		
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index		sheet		1-3						1 of 3	

1

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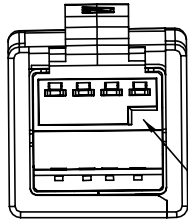
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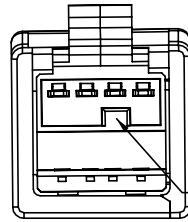
SEE TABLE

12V KEY POSITION
SCALE 1.500



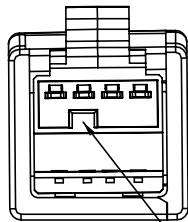
KEY POS. 1

24 KEY POSITION
SCALE 1.500



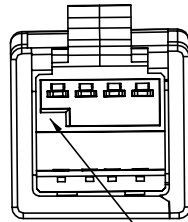
KEY POS. 2

5V KEY POSITION
SCALE 1.500



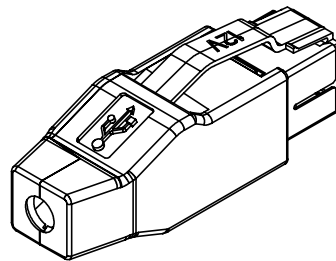
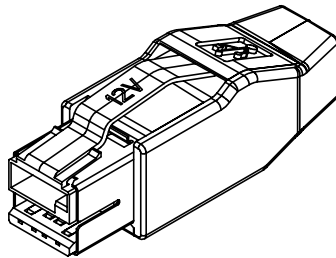
KEY POS. 3

UNASSIGNED KEY
SCALE 1.500



KEY POS. 4

ABOVE ASSEMBLIES ARE SHOWN ONLY FOR
KEY INFORMATION, FOR ASSEMBLY INFORMATION
AND DIMENSIONS SEE PREVIOUS SHEETS



NOTES:

1. CURRENT AS LISTED IS AMPS PER CONTACT WITH ALL CONTACTS POWER;
2. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994;
3. MATING SEQUENCE WHEN MATED WITH USB+POWER RECEPTACLE PRODUCT NUMBER 55917-XXX;
4. PRODUCT NUMBER 74233-XXXLF

LEAD FREE OPTION

WITH 'LF' SUFFIX, TERMINAL AND SHELL PLATING IS TIN,
WITHOUT 'LF' SUFFIX, TERMINAL AND SHELL PLATING IS TIN/LEAD;

5. PRODUCT SPECIFICATION REFERS TO GS-12-130;
6. PACKAGE SPECIFICATION REFERS TO GS-14-395;
7. PACKING STANDARD GS-14-920 WILL BE APPLIED FOR LEAD FREE P/N'S;
8. FOR LEAD FREE PART NUMBER, THE PRODUCT MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008;
9. FOR LEAD FREE PART NUMBERS, THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRO-RED OR VAPOR PHASE REFLOW OVEN;
10. INSULATION MYLAR MUST COVER WITH ALL TERMINALS AND SOLDERED POINTS ON BOTH TWO SIDES (ONE PIECE EACH SIDE) AFTER SOLDERING AND BEFORE ASSEMBLE SHIELDS, RECOMMENDED DIMENSION OF MYLAR IS 27.00±0.10*10.00*±0.10*0.10±0.03 (LENGTH*WIDTH*THICKNESS), AND IT MUST BE OF HIGH TEMPERATURE RESISTANCE. PLEASE REFER TO THE THE APPLICATION SPEC AS GS-20-043.

CONTACT NUMBER	PRODUCT DASH NUMBER			
	-1XX(X)	-2XX(X)	-3XX(X)	MATING SEQ.
1	VCC	VCC	VCC	2
2	- DATA	- DATA	- DATA	3
3	+ DATA	+ DATA	+ DATA	3
4	GROUND	GROUND	GROUND	2
5	12V GROUND	24V GROUND	5V GROUND	2
6	12V	24V	5V	3
7	12V	24V	5V	3
8	12V GROUND	24V GROUND	5V GROUND	2
SHELL	SHIELD	SHIELD	SHIELD	1

mat'l code		SEE NOTE		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com			
ltr	ecn no.	dr	date	linear	.X ± 0.3		COPY	projection	title		
R					.XX ± 0.13						
				angles	.XXX ± 0.05				USB+ POWER PLUG KIT ASSEMBLY		
					0° ± 2°						
				dr	P. HSU	10/6/97	 MM	 scale	product family	USB	code
				enrg	R. MACMULLIN	10/6/97			size	dwg no	
				chr	R. MACMULLIN	10/6/97			A4	74233	sheet
				appd	R. MACMULLIN	10/6/97			1:1		2 of 3
sheet	revision										
index	sheet										

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PRODUCT NUMBER (NOTE 4)	DESCRIPTION	VOLTAGE	PLUG HOUSING COLOR	CABLE OD	CURRENT RATING	COVER COLOR	REMARK
74233-100	KEY POSITION 1	12V	TEAL	5.80±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-100LF	KEY POSITION 1	12V	TEAL	5.80±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-100
74233-1009LF	KEY POSITION 1	12V	TEAL	5.80±0.25	3 AMPS	BLACK	
74233-101	KEY POSITION 1	12V	TEAL	5.10±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-101LF	KEY POSITION 1	12V	TEAL	5.10±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-101
74233-1019LF	KEY POSITION 1	12V	TEAL	5.10±0.25	3 AMPS	BLACK	
74233-102	KEY POSITION 1	12V	TEAL	6.60±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-102LF	KEY POSITION 1	12V	TEAL	6.60±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-102
74233-1029LF	KEY POSITION 1	12V	TEAL	6.60±0.25	3 AMPS	BLACK	
74233-200	KEY POSITION 2	24V	RED	5.80±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-200LF	KEY POSITION 2	24V	RED	5.80±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-200
74233-2009LF	KEY POSITION 2	24V	RED	5.80±0.25	3 AMPS	BLACK	
74233-201	KEY POSITION 2	24V	RED	5.10±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-201LF	KEY POSITION 2	24V	RED	5.10±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-201
74233-2019LF	KEY POSITION 2	24V	RED	5.10±0.25	3 AMPS	BLACK	
74233-211	KEY POSITION 2	48V	RED	5.10±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-211LF	KEY POSITION 2	48V	RED	5.10±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-211
74233-2119LF	KEY POSITION 2	48V	RED	5.10±0.25	3 AMPS	BLACK	
74233-221LF	KEY POSITION 2	48V	RED	5.10±0.25	3 AMPS	GRAY	SPECIAL PART, LATCH BACKWARD 3mm BASE ON 74233-211LF
74233-202	KEY POSITION 2	24V	RED	6.60±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-202LF	KEY POSITION 2	24V	RED	6.60±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-202
74233-2029LF	KEY POSITION 2	24V	RED	6.60±0.25	3 AMPS	BLACK	
74233-300	KEY POSITION 3	5V	NATURAL	5.80±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-300LF	KEY POSITION 3	5V	NATURAL	5.80±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-300
74233-3009LF	KEY POSITION 3	5V	NATURAL	5.80±0.25	3 AMPS	BLACK	
74233-301	KEY POSITION 3	5V	NATURAL	5.10±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-301LF	KEY POSITION 3	5V	NATURAL	5.10±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-301
74233-3019LF	KEY POSITION 3	5V	NATURAL	5.10±0.25	3 AMPS	BLACK	
74233-302	KEY POSITION 3	5V	NATURAL	6.60±0.25	3 AMPS	GRAY	NON LEAD FREE PART, NOT AVAILABLE
74233-302LF	KEY POSITION 3	5V	NATURAL	6.60±0.25	3 AMPS	GRAY	LEAD FREE PART, SUBSTITUTE OF 74233-302
74233-3029LF	KEY POSITION 3	5V	NATURAL	6.60±0.25	3 AMPS	BLACK	



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mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.X ± 0.3		COPY		 title USB+ POWER PLUG KIT ASSEMBLY		
R					.XX ± 0.13		projection				
					.XXX ±0.05		 product family USB code				
				angles	0° ±2°		 M M		size		
				dr	P. HSU	10/6/97	 scale 1:1		dwg no		
				engr	R. MACMULLIN	10/6/97			74233		
				chr	R.MACMULLIN	10/6/97			sheet		
				appd	R. MACMULLIN	10/6/97			3 of 3		
sheet	revision										
index	sheet										