



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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1			2		3		4	
FCI PART NO.	POWER TYPE	LENGTH "X"						
10084088-Z0050YYLF	12V	500+25/-0						
10084088-Z0100YYLF	12V	1000±15						
10084088-Z0300YYLF	12V	3000±25						
10084088-Z0500YYLF	12V	5000±25						

POS #8 POS #5

POS #4 KEY Pos 1 (12V) POS #1

Pwr USB CONNECTOR KIT (Detail see Note 13)

END A

60 REF

LENGTH "X"

LABEL (Detail see Note 5)

END B

Pwr USB CABLE (Detail see Note 13)

END A	SIGNAL NAME	WIRE COLOR	WIRE AWG	END B
1	VBUS (+5V)	RED	20	-
2	DATA -	WHITE	28	-
3	DATA +	GREEN	28	-
4	GND	BLACK	20	-
5	12V GND	BLUE	20	-
6	+12V	BROWN	20	-
7	+12V	ORANGE	20	-
8	12V GND	YELLOW	20	-
SHELL	FRAME GND	-	SHIELD	-

Mark with 10075076001 REV. proi\_revision in area indicated by X....

rev	ecn no	dr	date
A	N08-0120	ST	6/18/2008
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

TOLERANCES UNLESS OTHERWISE SPECIFIED			
LINEAR			
ANGULAR	0°	±2°	

Material			Spec ref	spec_ref
Mat code			surface	tolerance
Heattreat			ISO 1302	ISO 406 ISO 1101
Plating/Finish				
Dr	Sunny Tsai	10/11/2007		projection
Eng	Sunny Tsai	10/11/2007	Product family	CABLE ASS'Y
Chr	Jackson Wang	10/11/2007	Model Name	ECN
Appr	Jackson Wang	10/11/2007	Model Revision	REL Level

size	Scale
A3	-

title	dwg no	Rev.
SINGLE END POWER USB 12V CABLE ASSEMBLY - BLACK	10084088	A

Pro/E file	catalog no	CUSTOMER DWG	sheet 1 of 3

REV F - 2006-04-17

3PDM: Rev:A STATUS: Released Printed: Jul 10, 2009

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NOTES:

1. MATES WITH FCI PART NUMBER: 55917/57496.
2. UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE=
- =< 1 METER= ±15.0mm
- > 1 METER TO 10 METER= ±2% OF L1 OR L2
- > 10 METER= +0%/-4% OF L1 OR L2
3. PART NUMBER SCHEME FOR CABLE ASSEMBLY:
- 10084088 - Z X X X X Y Y LF
- LF: LEAD FREE
- NOT APPLICABLE TO THIS ASSEMBLY
- NOT APPLICABLE TO THIS ASSEMBLY
- LENGTH (XX: METERS; XX: CENTIMETERS)
- EXAMPLE FOR LENGTH GIVEN BELOW:
- 0050: 00 METERS 50 CENTIMETERS
- WIRE GAGE
- Z: MULTIPLE WIRE GAGE
4. UNLESS OTHERWISE SPECIFIED LABEL POSITION SHALL BE APPROXIMATELY 60mm FROM REAR OF CONNECTOR.
5. UNLESS OTHERWISE SPECIFIED STANDARD LABEL SHALL BE BRADY LABEL P/N THT-10-427-30.

LABEL DETAILS:

FCI	----	MANUFACTURER CODE OR NAME
10084088-ZXXXXYYLF	----	FCI P/N
REV.A	----	REVISION
WWYY	----	DATE CODE WWYY FORMAT
MADE IN CHINA	----	COUNTRY ORIGIN




6. ALL CABLE ASSEMBLIES SHALL BE TESTED 100% FOR CONTINUITY AS DEFINED IN WIRING LIST.

7. UNLESS OTHERWISE SPECIFIED ALL CABLE ASSEMBLIES SHALL BE 100% HI-POT TESTED BY APPLYING 300V DC FOR MINIMUM OF 10ms, UNLESS ACTIVE COMPONENTS ARE USED IN THIS ASSEMBLY.
8. OTHER TESTING PERFORMED AS REQUIRED:
- DIELECTRIC RESISTANCE: 50M Ohms MIN.
- CONNECTION RESISTANCE: 0.8 Ohms MAX. (-Z0050YYLF, 0.5MR LENGTH)
- 1.0 Ohms MAX. (-Z0100YYLF, 1.0MR LENGTH)
- 1.2 Ohms MAX. (-Z0300YYLF, 3.0MR LENGTH)
- 1.8 Ohms MAX. (-Z0500YYLF, 5.0MR LENGTH)
9. THIS DIMENSION IS A FINISHED PRODUCT LENGTH.
10. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
11. CONNECTOR ASSEMBLIES SHOWN ARE FOR REFERENCE ONLY AND MAY NOT SHOWN ALL PART DETAIL, REFERENCE CONNECTOR ASSEMBLY DRAWINGS FOR COMPLETE DETAILS.
12. PACKAGE: EACH CABLE ASSEMBLY IN CLDEAR ZIP-LOCK BPLY BAG, THEN BULK PACKED IN A BOX.

Mark with  
10075076001  
REV. prai\_revision  
in area indicated  
by X....

rev	ecn no	dr	date
-	See sheet 1	-	-
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-	-	-	-
-	-	-	-

TOLERANCES UNLESS OTHERWISE SPECIFIED			
LINEAR			
ANGULAR	0°	±2°	

Material				Spec ref	spec_ref		
Mat code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	MM 
Heattreat							
Plating/Finish							
Dr	Sunny Tsai	10/11/2007				size	Scale
Eng	Sunny Tsai	10/11/2007	Product family CABLE ASS'Y			A3	-
Chr	Jackson Wang	10/11/2007	Model Name			ECN	
Appr	Jackson Wang	10/11/2007	Model Revision			REL Level	
		title SINGLE END POWER USB 12V CABLE ASSEMBLY - BLACK			dwg no 10084088		Rev. A
Pro/E file		catalog no			CUSTOMER DWG		sheet 2 of 3





FCI PART NO.

SEE SHEET 1

## NOTES:

## 13. COMPONENT DETAIL

## A) Pwr USB CONNECTOR KIT:

MATERIALS	SPECIFICATIONS
SHELLS	HIGH STRENGTH COPPER ALLOY
HOUSINGS	THERMOPLASTIC UL94V-0 RATED, COLOR: TEAL
TERMINALS	HIGH STRENGTH COPPER ALLOY
COVERS	THERMOPLASTIC UL94V-0 RATED PEBBLE GRAY
PLATING	
SHELL	UNDERPLATE; 40 MICROINCHES NI 100 MICROINCHES MIN BRIGHT TIN
TERMINALS	UNDERPLATE; 40 MICROINCHES NI CONTACT AREA; 30 MICROINCHES GXT TAIL AREA; 100 MICROINCHES MATTED TIN
ELECTRICAL	
VOLTAGE RATING	USB;5.25VDC,+POWER;12VDC
DIELECTRIC WITHSTANDING VOLTAGE	750 VAC
INSUL. RESISTANCE	1000 MEG OHMS AT 500 VDC
CURRENT RATING(NOTE 1)	1.50A USB SECTION 3.00A POWER SECTION

## B) Pwr USB CABLE:

SPEC: 28AWG\*1P+20AWG\*6C+AL/MYLAR+DRAIN+BRAID

1) UL TYPE: CM

CSA TYPE: CMG

## 2) CONSTRUCTION:

ITEM		SPECIFICATIONS	
CONDUCTOR	AWG	28AWG	20AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND.SIZE	7/0.127mm	19/0.20mm
INSULATION	MATERIAL	HD-PE	SR-PVC
	OD	0.80±0.05mm	1.5±0.05mm
	NO.	1PAIR	6C
AL/MYLAR	COVERAGE	100%	
	OVERLAP	25% Min.	
DRAIN	AWG	28AWG	
	MATERIAL	TINNED COPPER	
	COND.SIZE	7/0.127mm	
BRAID	MATERIAL	TINNED COPPER	
	SIZE	16/7/0.10mm	
JACKET	MATERIAL	PVC	
	OD	6.50±0.25mm	
	COLOR	BLACK (OTHER COLORS AVAILABLE ON REQUEST)	

## ELECTRICAL CHARACTERISTICS

RATING	RATING: TEMP 80°C VOLTAGE 30V
Conductor Resistance at 20°C (MAX)	28AWG < 237.25 Ohm/KM
	20AWG < 34.6 Ohm/KM
IMPEDANCE (Differential)	90 Ohm±15%; at TDR
DELAY	< 26ns/Cable; at TDR
SKEW	100ps MAX.
ATTENUATION	Refer to USB 2.0 Specification

Mark with  
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REV. proj\_revision  
in area indicated  
by X....

rev	ecn no	dr	date
-	See Sheet 1	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

TOLERANCES UNLESS OTHERWISE  
SPECIFIED

LINEAR			-	-	-	-
			-	-	-	-
			-	-	-	-
ANGULAR	0°	±2°	-	-	-	-

Material			Spec ref	spec_ref		
Mat code			surface	tolerance	projection	MM
Heattreat			ISO 1302	ISO 406 ISO 1101		
Plating/Finish					size	Scale
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			SINGLE END POWER USB 12V CABLE ASSEMBLY - BLACK	10084088	A	
Pro/E file			catalog no	CUSTOMER DWG	sheet 3 of 3	