

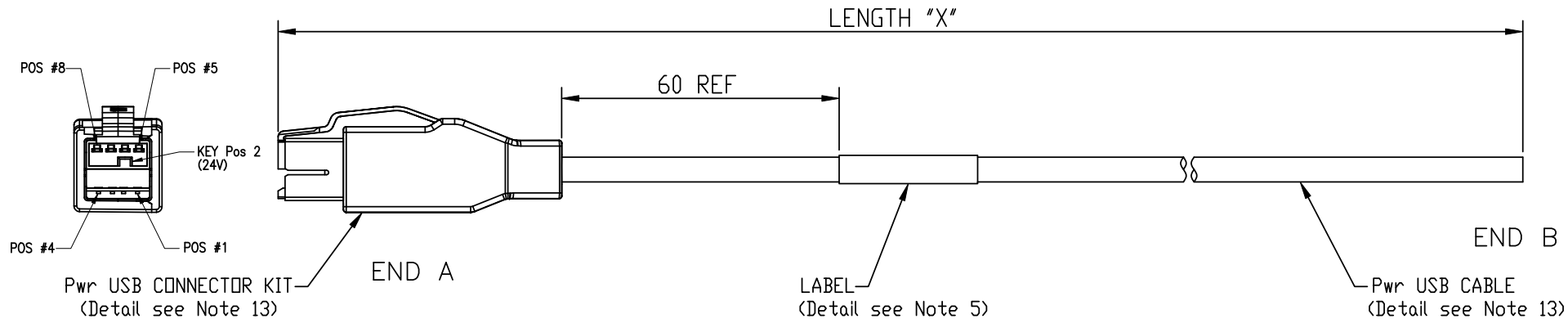
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FCI PART NO.	POWER TYPE	LENGTH "X"
10084089-Z0050YYLF	24V	500+25/-0
10084089-Z0100YYLF	24V	1000±15
10084089-Z0300YYLF	24V	3000±25
10084089-Z0500YYLF	24V	5000±25



PIN ASSIGNMENT

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	24V GND	BLUE	20	-
6	+24V	BROWN	20	-
7	+24V	ORANGE	20	-
8	24V GND	YELLOW	20	-
SHELL	FRAME GND	-	SHIELD	-

Mark with
10075076001
REV. proj_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		projection	MM 
Heattreat				ISO 1302		ISO 406			
Plating/Finish						ISO 1101			
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 24V CABLE ASSEMBLY - BLACK				dwg no 10084089		Rev. A	
Pro/E file		catalog no				CUSTOMER DWG		sheet 1 of 3	

REV F - 2006-04-17

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3PDM: Rev:A

STATUSReleased

Printed: Jul 10, 2009

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FCI

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1		2		3		4	
FCI PART NO.		SEE SHEET 1					
NOTES:							
1. MATES WITH FCI PART NUMBER: 55917/57496.				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.			
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				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)			
3. PART NUMBER SCHEME FOR CABLE ASSEMBLY: 10084089 - 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				9. THIS DIMENSION IS A FINISHED PRODUCT LENGTH.			
4. UNLESS OTHERWISE SPECIFIED LABEL POSITION SHALL BE APPROXIMATELY 60mm FROM REAR OF CONNECTOR.				10. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.			
5. UNLESS OTHERWISE SPECIFIED STANDARD LABEL SHALL BE BRADY LABEL P/N THT-10-427-30. LABEL DETAILS: FCI ---MANUFACTURER CODE OR NAME 10084089-ZXXXXYYLF ---FCI P/N REV.A ---REVISION WWYY ---DATE CODE WWYY FORMAT MADE IN CHINA ---COUNTRY ORIGIN				11. CONNECTOR ASSEMBLIES SHOWN ARE FOR REFERENCE ONLY AND MAY NOT SHOWN ALL PART DETAIL, REFERENCE CONNECTOR ASSEMBLY DRAWINGS FOR COMPLETE DETAILS.			
6. ALL CABLE ASSEMBLIES SHALL BE TESTED 100% FOR CONTINUITY AS DEFINED IN WIRING LIST.				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....		Material Mat code Heattreat Plating/Finish		Spec ref surface tolerance projection size Scale	
		rev ecn no dr date		Dr Sunny Tsai 10/11/2007		ISO 1302 ISO 406 ISO 1101	
		- See sheet 1 - -		Eng Sunny Tsai 10/11/2007		Product family CABLE ASS'Y	
		- - - -		Chr Jackson Wang 10/11/2007		Model Name	
		- - - -		Appr Jackson Wang 10/11/2007		Model Revision	
		TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		REL Level	
		LINEAR		title SINGLE END POWER USB 24V CABLE ASSEMBLY - BLACK		drawing no 10084089	
		ANGULAR 0° ±2°		Pro/E file catalog no		CUSTOMER DWG sheet 2 of 3	
				Rev. A			



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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: RED
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;24VDC
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
10075076001
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						
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	
FCI			title	SINGLE END POWER USB 24V CABLE ASSEMBLY - BLACK		Rev.
			dwg no	10084089		A
Pro/E file			catalog no	CUSTOMER DWG		sheet 3 of 3

REV F - 2006-04-17

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3PDM: Rev:A

STATUS: Released

Printed: Jul 10, 2009

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

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