

Excellent Integrated System Limited

Stocking Distributor

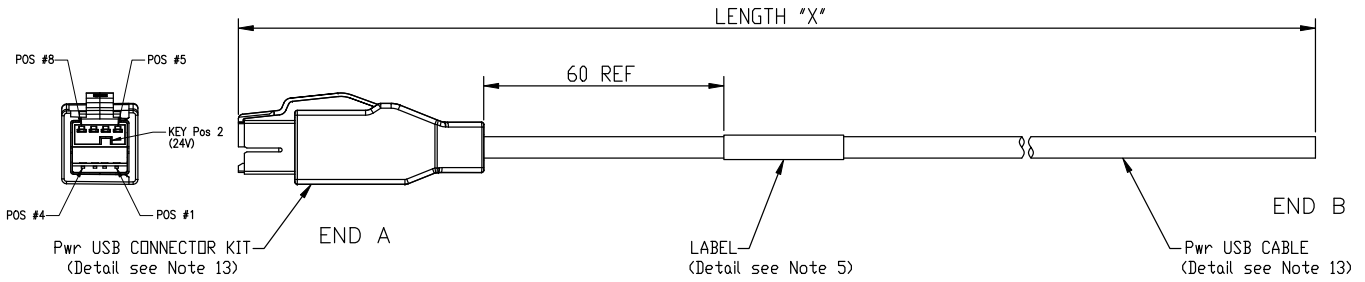
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10084089-Z0100YYLF](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

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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....

Material		Spec ref	spec_ref	projection MM
Mat code	surface	tolerance	ISO 406 ISO 1101	
Heat treat		ISO 1302		
Plating/Finish				
Dr	Sunny Tsai	10/11/2007	Product family	CABLE ASS'Y
Eng	Sunny Tsai	10/11/2007	Model Name	
Chr	Jackson Wang	10/11/2007	Model Revision	
Appr	Jackson Wang	10/11/2007	REL Level	
FCI		SINGLE END POWER USB 24V CABLE ASSEMBLY - BLACK		Rev. A
Pro/E file	catalog no	dwg no	10084089	sheet 1 of 3

rev	ecn no	dr	date
A	N08-0120	ST	6/18/2008
TOLERANCES UNLESS OTHERWISE SPECIFIED			
LINEAR			
ANGULAR	0°	±2°	

2

3PDM: Rev:A

STATUS Released

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FCI

C

D

A

B

C

D

FCI PART NO. SEE SHEET 1

NOTES:

- MATES WITH FCI PART NUMBER: 55917/57496.
- 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
- 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
- UNLESS OTHERWISE SPECIFIED LABEL POSITION SHALL BE APPROXIMATELY 60mm FROM REAR OF CONNECTOR.
- 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
WYYY	---	DATE CODE WYYY FORMAT
MADE IN CHINA	---	COUNTRY ORIGIN
- 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.
- 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)
- THIS DIMENSION IS A FINISHED PRODUCT LENGTH.
- LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- CONNECTOR ASSEMBLIES SHOWN ARE FOR REFERENCE ONLY AND MAY NOT SHOWN ALL PART DETAIL, REFERENCE CONNECTOR ASSEMBLY DRAWINGS FOR COMPLETE DETAILS.
- PACKAGE: EACH CABLE ASSEMBLY IN CLDEAR ZIP-LOCK BPLY BAG, THEN BULK PACKED IN A BOX.

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

Mark with 10075076001 REV. pro_revision in area indicated by X....

TOLERANCES UNLESS OTHERWISE SPECIFIED	rev	ecn no	dr	date
LINEAR	-	-	-	-
ANGULAR	0*	±2*	-	-

Material	Spec ref	spec_ref	projection	MM
Mat code	surface	tolerance	ISO 406	
Heat treat	ISO 1302	ISO 1101	ISO 1101	
Plating/Finish	Dr Sunny Tsai	10/11/2007	size	Scale
	Eng Sunny Tsai	10/11/2007	A3	-
	Chr Jackson Wang	10/11/2007	ECN	
	Appr Jackson Wang	10/11/2007	REL Level	
	SINGLE END POWER USB 24V CABLE ASSEMBLY - BLACK		dwg no	Rev.
	Pro/E file	catalog no	10084089	A

REV 1 - 080909

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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
	MATERIAL	TINNED COPPER
INSULATION	COND.SIZE	7/0.127mm
	MATERIAL	HD-PE
AL/MYLAR	DD	0.80±0.05mm
	NO.	1PAIR
DRAIN	COVERAGE	100%
	OVERLAP	25% Min.
BRAID	AWG	28AWG
	MATERIAL	TINNED COPPER
JACKET	COND.SIZE	7/0.127mm
	MATERIAL	TINNED COPPER
COLOR	SIZE	16/7/0.10mm
	DD	6.50±0.25mm
	MATERIAL	PVC
	DD	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. pro_revision in area indicated by X.....

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Mat code	surface	tolerance	ISO 406	MM
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	Eng Sunny Tsai	10/11/2007	A3	-
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	Appr Jackson Wang	10/11/2007	REL Level	
	FCJ SINGLE END POWER USB 24V CABLE ASSEMBLY - BLACK		10084089	Rev. A
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rev	ecn no	dr	date
-	See Sheet 1	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR	0*	±2*

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