

Excellent Integrated System Limited

Stocking Distributor

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

[FCI](#)
[10084089-Z0050YYLF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

FCI PART NO. SEE SHEET 1

NOTES:

- MATES WITH FCI PART NUMBER: 55917/57496.
- UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE=
=< 1 METER= $\pm 15.0\text{mm}$
> 1 METER TO 10 METER= $\pm 2\%$ 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.

- 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....

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		tolerance		projection	
Heat treat			ISO 1302		ISO 406 ISO 1101		MM	
Plating/Finish			Dr Sunny Tsai		10/11/2007		size A3	
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	
FCI			SINGLE END POWER USB 24V CABLE ASSEMBLY - BLACK		dwg no		10084089	
Pro/E file			catalog no		CUSTOMER DWG		sheet 2 of 3	
Rev. A			Title		Rev.		A	

3PDM: Rev:A

STATUS: Released

Printed: Jul 10, 2009

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

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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	tolerance		MM ←————→
Heat treat			ISO 1302	ISO 406 ISO 1101		
Plating/Finish						
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REV 1 - 0804-07

2

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