

GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111	Drawing Title: LVDS CABLE, 2X HIROSE MDF76 SERIES 5.1" (TFX-005625)	
	Model No.	Part No./Ordering No. MDF760F5MDF76(R)
		Rev A

In Addition to GlobTek Inc.'s renewed ISO9001:2008 - Quality Management System Certification, GlobTek Inc. is now certified to:

ISO13485:2003 - Medical Devices Quality Management System Certification
ISO14001:2004 - Environmental Management System Certification

ISO Certificates are available online at <http://www.globtek.com/iso-certificates/>

The acceptance of this specification and use of the product described in this document indicates the acceptance and binding of the customer to Globtek TERMS AND CONDITIONS (attached to the end of this document), which supersede all other agreements, terms, and conditions (<http://en.globtek.com/terms-and-conditions/>).

Prop 65 Statement:<https://en.globtek.com/prop-65-statement.pdf>

Footnote:

GlobTek Inc. will not be liable for the safety and performance of these power supplies if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instruction.

Limitation of Use:

GlobTek products are intended for use with commercial, medical, and/or industrial equipment only. GlobTek product are not authorized for use as mission critical components in life support hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of GlobTek Inc.

Contents of this document are subject to change without prior notice.

Customer Approval of Specification:

Please approve, sign and send back to GlobTek so we can complete order processing.

A delay in receipt of this form will delay delivery schedule.

Company Name:	Customer P/N:
Quote Number:	Date:
Authorized Representative Name:	Authorized Representative Signature:

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REVISION HISTORY

REV	DESCRIPTION	SUB	DATE	APPROVED
A	Initial release	QA	09/07/2018	QA

AGENCY ONLINE DOCUMENTS

<http://en.globtek.com/cordsets/>

RoHS/RoHS3 Declaration

https://www.globtek.com/pdf/rohs_cert/01t0c000008pvkMAAU

REACH Declaration

https://www.globtek.com/pdf/iso_certificates/REACH.pdf

Conflict Minerals Declaration

<https://www.globtek.com/pdf/conflict-minerals.pdf>

Prop 65 Statement

<https://en.globtek.com/prop-65-statement.pdf>

IPXY rating is based on 3rd party testing and customers should check suitability and test system level IPXY rating before ordering.

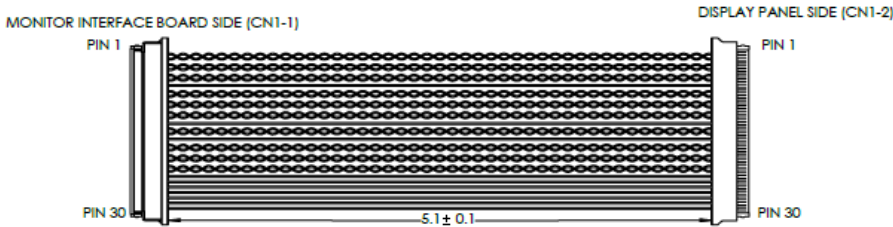
LVDS CABLE

Low-voltage differential signaling, or LVDS, also known as TIA/EIA-644, is a technical standard that specifies electrical characteristics of a differential, serial communications protocol. LVDS operates at low power and can run at very high speeds using inexpensive twisted-pair copper cables.

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BILL OF MATERIALS:

ITEM NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	QTY
1	MDF76-30P-1C	PLUG 30 POS 1 MM CRIMP	HIROSE ELECTRIC CO LTD	2 EA
2	MDF76-283PCFA	CONN PIN 28-36 AWG CRIMP GOLD	HIROSE ELECTRIC CO LTD	60 EA
3	TWISTED PAIR CABLE 100 ohm IMPEDENCE	2 (1 pair) conductor cable 28 AWG	N/A	60 INCH
4	SINGLE CONDUCTOR CABLE 100 ohm IMPEDENCE	SINGLE CONDUCTOR CABLE 28 AWG	N/A	60 INCH



CONNECTOR PIN OUT TABLE

FROM MIB SIDE	PIN	TO DP SIDE	PIN	SYMBOL	SIGNAL	CABLE TYPE
CN1-1	1	CN1-2	1	DA0-	ODD PIXEL DATA 0	TWISTED PAIR
CN1-1	2	CN1-2	2	DA0+		
CN1-1	3	CN1-2	3	DA1-	ODD PIXEL DATA 1	TWISTED PAIR
CN1-1	4	CN1-2	4	DA1+		
CN1-1	5	CN1-2	5	DA2-	ODD PIXEL DATA 2	TWISTED PAIR
CN1-1	6	CN1-2	6	DA2+		
CN1-1	7	CN1-2	7	GND	GROUND	SINGLE WIRE
CN1-1	8	CN1-2	8	CLKA-	ODD PIXEL CLOCK	TWISTED PAIR
CN1-1	9	CN1-2	9	CLKA+		
CN1-1	10	CN1-2	10	DA3-	ODD PIXEL DATA 3	TWISTED PAIR
CN1-1	11	CN1-2	11	DA3+		
CN1-1	12	CN1-2	12	DB0-	EVEN PIXEL DATA 0	TWISTED PAIR
CN1-1	13	CN1-2	13	DB0+		
CN1-1	14	CN1-2	14	GND	GROUND	SINGLE WIRE
CN1-1	15	CN1-2	15	DB1-	EVEN PIXEL DATA 1	TWISTED PAIR
CN1-1	16	CN1-2	16	DB1+		
CN1-1	17	CN1-2	17	GND	GROUND	SINGLE WIRE
CN1-1	18	CN1-2	18	DB2-	EVEN PIXEL DATA 2	TWISTED PAIR
CN1-1	19	CN1-2	19	DB2+		
CN1-1	20	CN1-2	20	CLKB-	EVEN PIXEL CLOCK	TWISTED PAIR
CN1-1	21	CN1-2	21	CLKB+		
CN1-1	22	CN1-2	22	DB3-	EVEN PIXEL DATA 3	TWISTED PAIR
CN1-1	23	CN1-2	23	DB3+		
CN1-1	24	CN1-2	24	GND	GROUND	SINGLE WIRE
CN1-1	25	CN1-2	25	GND	GROUND	SINGLE WIRE
CN1-1	26	CN1-2	26	GND	GROUND	SINGLE WIRE
CN1-1	27	CN1-2	27	GND	GROUND	SINGLE WIRE
CN1-1	28	CN1-2	28			SINGLE WIRE
CN1-1	29	CN1-2	29	VCC	POWER SUPPLY	SINGLE WIRE
CN1-1	30	CN1-2	30			SINGLE WIRE

1. CABLE DIFFERENTIAL IMPEDANCE 100 OHMS, PROVIDING 35 dB AVERAGE SHIELDING BUILT TO LATEST VER IPC-A-620.
3. TEST CABLE FOR CONTINUITY PER PINOUT TABLE. TEST FOR SHORTS FROM EACH PIN TO EVERY OTHER PIN AND VERIFY NONE EXISTS.
4. PACKAGE TO PREVENT DAMAGE IN SHIPPING AND HANDLING AND LABEL PACKAGE WITH PART NO, REVISION, AND MANUFACTURING DATE CODE (YRWK).
5. CABLE ASSY SHALL BE PROVIDED WITH CERTIFICATION AS ROHS COMPLIANT
6. CABLE: UL1571 TYPE #28 AWG. TWISTED PAIRS: BLACK/WHITE AND STRAIGHT: BLACK.
7. TEMPERATURE RATING: USA:CL2:75 C MAX, FLAMMABILITY RATING: USA :NEC.725, CL2

PROPRIETARY INFORMATION

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8. Mating connector is MDF76GW-30S-1H (55)

BULK BAG LABEL

TFX-005625
REV. 00
YYWW

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PACKAGING

Packing Spec P/N:

Box Qty: 1

Gift Box Size (mm):

Gift Box Color: White

Master Carton Size (mm): TBD

Master Carton Cubic Volume (m³): 0.00

Master GW (Kg): kg

wt Ea. (Kg): kg

wt Ea. (Kg): kg

LABEL SPECS: Standard GT,L-1186

PACK SPEC: