

Part number	LVDS-FI-S20-SHDR-40VS-300-TME
Type	LVDS cable
Description	LVDS cable between TM070JVHG33-01 and Industrial PC , CON1= FI-S20 CON2= SHDR-40VS length = 300 mm
Length	300 mm
Connector 1	FI-S20
Connector 2	SHDR-40VS

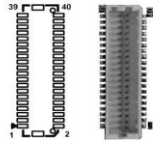
Connector 1 FI-S20		300 mm	Connector 2 SHDR-40VS	
1			1	Vcc
2			2	Vcc
3			21	GND
4	Vcc		23	RXinO0-
5			25	RXinO0+
6	RxOCLKIN+		27	GND
7	RxOCLKIN-		29	RXinO1-
8	GND		31	RXinO1+
9	RXinO2+		33	GND
10	RXinO2-		35	RXinO2-
11	GND		36	RxOCLKIN-
12	RXinO1+		37	RXinO2+
13	RXinO1-		38	RxOCLKIN+
14	GND		39	GND
15	RXinO0+			
16	RXinO0-			
17	GND			
18				
19	Vcc			
20	Vcc			

top view Connector 2 SHDR-40VS			
2	Vcc	Vcc	1
4			3
6			5
8			7
10			9
12			11
14			13
16			15
18			17
20			19
22		GND	21
24		RXinO0-	23
26		RXinO0+	25
28		GND	27
30		RXinO1-	29
32		RXinO1+	31
34		GND	33
36	RxOCLKIN-	RXinO2-	35
38	RxOCLKIN+	RXinO2+	37
40		GND	39

This is a 2x20-pin (pitch=1.0mm) connector which is compliant with JST SM40B-SRDS-G-TF for LVDS LCD interface. It is strongly recommended to connect it with matching connector, SHDR-40VS-B. Pin 1-6 VCCM can be set to +3.3V, +5V or +12V by setting JP1 (see section 2.4.1).

18-bit single channel

Pin	Signal	Pin	Signal
1	VCCM	2	VCCM
3	VCCM	4	VCCM
5	VCCM	6	VCCM
7	N.C	8	N.C
9	GND	10	GND
11	N.C	12	N.C
13	N.C	14	N.C
15	GND	16	GND
17	N.C	18	N.C
19	N.C	20	N.C
21	GND	22	GND
23	Channel A D0-	24	N.C
25	Channel A D0+	26	N.C
27	GND	28	GND
29	Channel A D1-	30	N.C
31	Channel A D1+	32	N.C
33	GND	34	GND
35	Channel A D2-	36	Channel A CLK-
37	Channel A D2+	38	Channel A CLK+
39	GND	40	GND



1	IND3+	I	Positive LVDS Differential data input(3)
2	IND3-	I	Negative LVDS Differential data input(3)
3	NC	-	No Connection
4	SEL6/8	I	Rx6/8bit mode select H: 6-bit mode L: 8-bit mode
5	VSS	P	Power Ground
6	PINC-	I	Positive LVDS Differential clock input
7	NINC-	I	Negative LVDS Differential clock input
8	VSS	P	Power Ground
9	IND2+	I	Positive LVDS Differential data input(2)
10	IND2-	I	Negative LVDS Differential data input(2)
11	VSS	P	Power Ground
12	IND1+	I	Positive LVDS Differential data input(1)
13	IND1-	I	Negative LVDS Differential data input(1)
14	VSS	P	Power Ground
15	IND0+	I	Positive LVDS Differential data input(0)
16	IND0-	I	Negative LVDS Differential data input(0)
17	VSS	P	Power Ground
18	NC	-	No Connection
19	VDD	P	Power Supply
20	VDD	P	Power Supply
1	VLED	P	Backlight power supply
2	VLED	P	Backlight power supply
3	VSS	P	VLED Ground
4	VSS	P	VLED Ground
5	LED EN	I	Backlight on/off control
6	LED PWM	I	Backlight dimming control