

Part number	LVDS-FI-S20-SHDR-40VS-300-MIT
Type	LVDS cable
Description	LVDS cable between AA104XF12 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		300 mm	Connector 2	
FI-S20			SHDR-40VS	
1	Vcc		1	Vcc
2	Vcc		2	Vcc
3			21	GND
4	GND		23	RXinO0-
5	RXinO0-		25	RXinO0+
6	RXinO0+		27	GND
7	GND		29	RXinO1-
8	RXinO1-		31	RXinO1+
9	RXinO1+		33	GND
10	GND		35	RXinO2-
11	RXinO2-		36	RxOCLKIN-
12	RXinO2+		37	RXinO2+
13	GND		38	RxOCLKIN+
14	RxOCLKIN-		39	GND
15	RxOCLKIN+			
16				
17				
18				
19	GND			
20	GND			

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

