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| Part number | LVDS-DF19-20S-SHDR-40VS-300-AVTO |
| Type | LVDS cable |
| Description | LVDS cable between G070VW01 V0 and Industrial PC , CON1= DF19-20S CON2= SHDR-40VS length = 300 mm |
| Length | 300 mm |
| Connector 1 | DF19-20S |
| Connector 2 | SHDR-40VS |

| Connector 1 | | 300 mm | Connector 2 | |
|-------------|-----------|--------|-------------|-----------|
| DF19-20S | | | SHDR-40VS | |
| 1 | Vcc | | 1 | Vcc |
| 2 | Vcc | | 2 | Vcc |
| 3 | | | 21 | GND |
| 4 | | | 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 | GND | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |

| 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 |

