

Rug-Rel Components & Systems Pvt Ltd

IN VEHICLE CREW CONSOLE - Internal WireList

DATE : 24/04/2024
 PROJECT CODE : DP/231
 PROJECT NAME : IN VEHICLE CREW CONSOLE
 REVISION : 2.0
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Sl.no	From	Legend	To	Legend	Signal Name	PTFE Wire	Colour	Description	Remarks	
1	J1_A	J1	EMIF_IN_L	EMIF_IN	+28V	20AWG	RED	28VDC_IN		
2	J1_B				20AWG					
3	J1_C		EMIF_IN_N		28V_RTN	20AWG	BLACK			
4	J1_D				20AWG					
5	J1_E		EMIF_IN_E		EARTH	20AWG	GREEN			
6	EMIF_OP_L	EMIF_OP	TOGG_SW_1	SW	LINE	20AWG	RED			
7	EMIF_OP_N		TOGG_SW_4		NEUTRAL	20AWG	BLACK			
8	TOGG_SW_1	SW	PWR_LED+	PWR_ON_LED		22AWG	RED			
9	TOGG_SW_4		PWR_LED-			22AWG	BLACK			
10	TOGG_SW_3		SYS_LED	SYS_ON_LED	+28V	22AWG	RED			
11	TOGG_SW_6		SYS_LED		28V_RTN	22AWG	BLACK			
12	TOGG_SW_3	SW	atx_sbc_DC_IN(2,3)	MB_INPUT	+28V	20AWG	RED			
13	TOGG_SW_6		atx_sbc_DC_GND(1,4)		28V_RTN	20AWG	BLACK			
14	TOGG_SW_3	SW	DC-DC_Vin+	DC-DC_CON_IN	+28V	20AWG	RED			
15	TOGG_SW_6		DC-DC_Vin-		28V_RTN	20AWG	BLACK			
16	DC-DC_Vin+	DC-DC_CON_OP	AD_VCC	AD_Board_IN	LINE	20AWG	RED	Power Jack		
17	DC-DC_Vin-		AD_GND		NEUTRAL	20AWG	BLACK			
18	AD Board	LVDS	Display	LVDS	-	Std USB cable		-		
19	AD Board	HDMI	MB_SBC	HDMI	-	Std USB cable		-		
20	MB_SBC	USB_1	STD_USB_JOYSTICK	JOYSTICK_1		Std USB cable		JOYSTICK_1		
21		USB_2	STD_USB_JOYSTICK	JOYSTICK_2		Std USB cable		JOYSTICK_2		
22	MB_SBC	USB_3	Touch USB	Touch PCB		Std USB cable		USB 3.1		
23	MB_SBC	USB4_CT	LED Interface USB	LED Interface		Std USB cable		C type USB		
24	MB_SBC	USB5_CT	STD USB CONNECTOR	STD USB CONNECTOR		Std USB cable		C type USB		
25	MB_Header_USB_1	USB_6	Membrane keyboard USB	J7	USB_VCC			STD USB CONNECTOR		
26	MB_Header_USB_5				USB_D+					
27	MB_Header_USB_3				USB_D-					
28	MB_Header_USB_7				USB_GND					
29	MB_Header_USB_2	USB_5	Membrane keyboard USB	J8	USB_VCC			STD USB CONNECTOR		
30	MB_Header_USB_6				USB_D+					RED
31	MB_Header_USB_4				USB_D-					GREEN
32	MB_Header_USB_8				USB_GND					WHITE
							BLACK			
33	MB_LAN1	LAN_1	J2_1	J2	ETH1_DA+	Orange/white		ETH1		
34			J2_2		ETH1_DA-	Orange				
35			J2_3		ETH1_DB+	Green/white				
36			J2_4		ETH1_DC+	Blue				
37			J2_5		ETH1_DC-	Blue/white				
38			J2_6		ETH1_DB-	Green				

39			J2_7		ETH1_DD+		Brown/white		
40			J2_8		ETH1_DD-		Brown		
41	MB_LAN2	LAN 2	J3_1	J3	ETH2_DA+		Orange/white	ETH2	
42			J3_2		ETH2_DA-		Orange		
43			J3_3		ETH2_DB+		Green/white		
44			J3_4		ETH2_DC+		Blue		
45			J3_5		ETH2_DC-		Blue/white		
46			J3_6		ETH2_DB-		Green		
47			J3_7		ETH2_DD+		Brown/white		
48			J3_8		ETH2_DD-		Brown		
49	MB_SBC_COM3_2	COM3	J4_1	J4	RS422_TX+_1	RS422 STD Cable to used	WHITE	RS422	
50	MB_SBC_COM3_1		J4_2		RS422_TX-_1		BROWN		
51	MB_SBC_COM3_3		J4_3		RS422_RX+_1		BLACK		
52	MB_SBC_COM3_4		J4_4		RS422_RX-_1		WHITE		
53	MB_SBC_COM3_5		J4_5		GND		BLACK		
54	MB_SBC_COM1_2	COM1	J5_1	J5	RS422_TX+_1	RS422 STD Cable to used	WHITE	RS422	
55	MB_SBC_COM1_1		J5_2		RS422_TX-_1		BROWN		
56	MB_SBC_COM1_3		J5_3		RS422_RX+_1		BLACK		
57	MB_SBC_COM1_4		J5_4		RS422_RX-_1		WHITE		
58	MB_SBC_COM1_5		J5_5		GND		BLACK		
59	MB_SBC_USB_8		Membrane keyboard USB					UART	
60	MB_SBC_GPIO_9	GPIO	LED_Interface_Card_J2_1		PWR		RED		
61	MB_SBC_GPIO_1		LED_Interface_Card_J2_2		SIO_GP71				
62	MB_SBC_GPIO_3		LED_Interface_Card_J2_3		GPP_B15				
63	MB_SBC_GPIO_10		LED_Interface_Card_J2_4		GND		BLACK		
64	EMERGENCY_SW1_3	SW	LED_Interface_Card_J3_1	J3	Switch terminal 1		RED		
65	EMERGENCY_SW1_4		LED_Interface_Card_J3_2		Switch terminal 2		BLACK		
66	EMERGENCY_SW2_3	SW	LED_Interface_Card_J3_3				RED		
67	EMERGENCY_SW2_4		LED_Interface_Card_J3_4				BLACK		
68	Membrane Keyboard_GND_1		LED_Interface_Card_J4_GND_3	J4	GND				
69	Membrane Keyboard_GND_2		LED_Interface_Card_J4_GND_4		GND				
70	Membrane Keyboard_UART_RX_3		LED_Interface_Card_J4_TXD_2						
71	MB_Header_Audio_5	Audio	Std Audio jack		LINE2_R_OUT(Ring)				
72	MB_Header_Audio_9				LINE2_L_OUT(TIP)				
73	MB_Header_Audio_7				AGND_A (Sleeve)				