

No.	Port Name	I/O	Description	P-OFF	P-Save	P-FAIL	Reset																
1	CURRENT_LIMIT	O	Capstan motor current limit terminal.	Low	Low	Low	Low																
2	F ADJUST	O	Analogue voltage output for HEAD frequency response adjustment	Low	Low	Low	Low																
3	N.C	--	(No Connection.)	---	---	---	---																
4	C EMPHA(H)	O	Terminal of the Current emphasis video/FM audio recording current. [HIFI/2HEAD]:Fix to Low (Normal mode) [4HEAD] :Fix to Low (factory mode) Fix to High (Insert/AV Insert mode) Others (Depend on tape speed)	Low	Low	Low	Low																
5	TRACKING_ENVE	O	Playback envelope input for auto tracking adjustment and cvc.	In	In	In	In																
6	SLP(H)	O	Tape running speed output terminal.(Output signal depends on tape speed) [High].....During NTSC_10H or PAL_9H mode [Low].....Except NTSC_10H or PAL_9H mode	Low	Low	Low	Low																
7	LP(H)	O	Tape running speed output terminal.(Output signal depends on tape speed) [High].....During NTSC_4H/6H or PAL_6H/9H mode [Low].....Except NTSC_4H/6H or PAL_6H/9H mode 2HEAD model: Low Fix	Low	Low	Low	Low																
8	CPB	I	Input terminal for "PB (H)" from AV2. [High].....3.85V - 5.0V [Midd].....1.82V - 2.84V [Low]..... 0V - 0.81V	In	In	In	In																
9	AFC S	I	"S-curve" Input terminal from tuner.	In	In	In	In																
10	A-MUTE(H)	O	Audio mute output terminal for RF Converter.	High	High	Low	High																
11	AV1_8IN	I	Input terminal for "PB (H)" from AV1. [High].....3.85V - 5.0V [Midd].....1.82V - 2.84V [Low]..... 0V - 0.81V	In	In	In	In																
12	N/S/T2/T3	I	Mode select terminal [NORMAL mode]: More than 4.0V [SERVICE mode]: 2.5V - 4.0V [TEST_2 mode]: 1.0V - 2.5V [TEST_3 mode]: 0V - 1.0V	In	In	In	In																
13	S-PHOTO	I	Tape end sensor input terminal.(Photo sensor input from supply side) [Black Tape]: more than 2.6V [Lead Tape]: Less than 2.4V	In	In	In	In																
14	T-PHOTO	I	Tape beginning sensor input terminal.(Photo sensor input from take-up side) [Black Tape]: more than 2.6V [Lead Tape]: Less than 2.4V	In	In	In	In																
15	ABS_NORM(H)	I	(Input terminal for FM audio envelope output level detection)	In	In	In	In																
16	N.C	--	(No Connection.)	Low	Low	Low	Low																
17	N.C	--	(No Connection.)	---	---	---	---																
18	N.C	--	(No Connection.)	---	---	---	---																
19	D.FM.REC(H)	O	Timing output terminal for FM_Audio recording current.	Low	Low	Low	Low																
20	ART.V/H/N	O	Output terminal for Artificial V synchronization signal.	Low	Low	Low	Low																
21	ROTARY.SW	O	Output terminal for rotary switch.	Low	Low	Low	Low																
22	H.A.SW	O	Output terminal for HEAD AMP switch.	Low	Low	Low	Low																
23	ENVE.SELECT	I	Input terminal for envelope selection.	Low	Low	Low	Low																
24	VIDEO.H.SW	O	Output terminal for video HEAD switch.	Low	Low	Low	Low																
25	A.H.SW	O	Output terminal for FM audio HEAD switch.	Low	Low	Low	Low																
26	A.DEF(H)	O	Audio Mute output terminal for tuner and decoder. [High].....During VCR mode is NORMAL PLAY and VV mode.	Low	Low	Low	Low																
27	PROG.ON(H)	O	I/O control to switch IIC bus for LW-programmer. H:IIC bus is connected to AV2. L:IIC bus is not connected to AV2.	Low	Low	Low	Low																
28	AVPB-H(L)	O	"PB-(H)"output terminal for AV2 *Details, refer to 21pin control specifications. *The signal output from Pin-8 of 21pin terminal is shown below. <table><tr><td>pin8</td><td>Name</td><td>AVPB-H(L)</td><td>AVPBM-(H)</td></tr><tr><td></td><td>High</td><td>L</td><td>Hi-Z</td></tr><tr><td></td><td>Middle</td><td>H</td><td>Hi-Z</td></tr><tr><td></td><td>Low</td><td>H</td><td>L</td></tr></table>	pin8	Name	AVPB-H(L)	AVPBM-(H)		High	L	Hi-Z		Middle	H	Hi-Z		Low	H	L	High	High	Low	High
pin8	Name	AVPB-H(L)	AVPBM-(H)																				
	High	L	Hi-Z																				
	Middle	H	Hi-Z																				
	Low	H	L																				
29	AVPB-M(H)	I		Low	Low	Low	Low																
30	GND(D)	--	GND	---	---	---	---																