



荧光显示屏产品规格书

SPECIFICATION OF VACUUM FLUORESCENT DISPLAY

浙江京东方显示技术股份有限公司
ZHEJIANG BOE DISPLAY TECHNOLOGY CO.,LTD
Electronic Co.,Ltd

型号 Type No.: VFD29-1607FN
用途 Application: 接收机 (Receiver)

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外形尺寸 Outer Dimensions

长 Panel Length

118.2^{+0.8}_{-0.5}mm

宽 Panel Height

29.0^{+0.7}_{-0.5}mm

厚 Panel Thickness

6.6±0.5mm

引出端子 Lead

端子间距 Lead Pitch

1.78mm

端子引出形式 Lead Out

单列折弯 Single Bending Pin

参数 Ratings

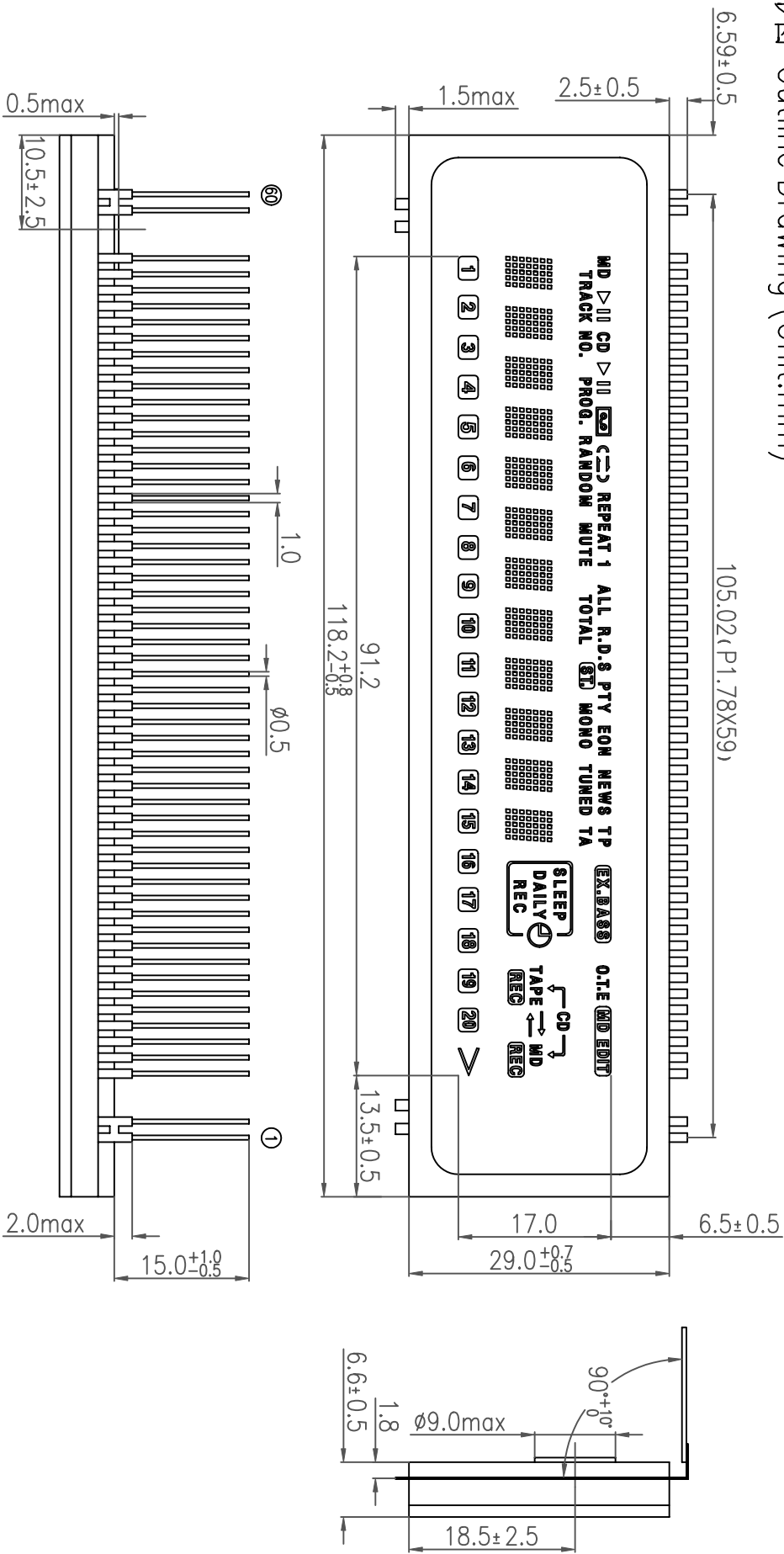
项 目 Item	符 号 Symbol	最小值 Min	推荐值 Recommended	最大值 Max	单位 Unit
灯丝电压 Filament Voltage	Ef	3.78	4.20	4.62	Vac
栅极电压 Grid Voltage	ec	27.0	30.0	33.0	Vp-p
阳极电压 Anode Voltage	eb	27.0	30.0	33.0	Vp-p
占空系数 Duty Factor	Du	—	1/17	—	—
脉冲宽度 Pulse Width	tp	—	100	—	μs
工作温度 Operating Temp	Top	-20	—	+70	℃
储存温度 Storage Temp	Tstg	-55	—	+80	℃
发 光 颜 色 Color of Illumination	绿 Green 红 Red				

项 目 Item	符 号 Symbol	测试条件 Test Condition	最小值 Min	典型值 Typical	最大值 Max	单位 Unit
灯丝电流 Filament Current	If	Ef=4.2 Vac eb=ec=0	158.0	175.0	193.0	mAac
阳极电流 Anode Current	ib/4G~15G	Ef=4.2 Vac eb=30.0 Vp-p ec=30.0 Vp-p Du=1/17 tp=100 μ s (笔段全亮 All Anode Turn On)	—	3.0	6.0	mAp-p
	ib/2G,3G		—	15.0	30.0	mAp-p
	ib/1G,16G		—	23.0	46.0	mAp-p
	ib/		—	—	—	mAp-p
	ib/		—	—	—	mAp-p
栅极电流 Grid Current	ic/4G~15G		—	4.0	8.0	mAp-p
	ic/2G,3G		—	18.0	31.0	mAp-p
	ic/1G,6G		—	34.0	58.0	mAp-p
	ic/		—	—	—	mAp-p
	—		—	—	—	mAp-p
亮度 Luminance	L(G)		350 (102)	700 (204)	—	cd/m ² (fL)
	L(R)		50 (14)	100 (29)	—	cd/m ² (fL)
	L(B)		—	—	—	cd/m ² (fL)
	—		—	—	—	cd/m ² (fL)
位间亮度比 Luminance Ratio	Lmin/Lmax		50	—	—	%
栅极截止电压 Grid Cut-off Voltage	Ecco	Ef=4.2Vac Eb=30.0 Vdc	-5.0	—	—	Vdc
阳极截止电压 Anode Cut-off Voltage	Ebco	Ef=4.2 Vac ec=30.0 Vp-p Du=1/17 tp=100 μ s	-5.0	—	—	Vdc

注：驱动方式 动态

Drive mode: Dynamic state

附图 1：外形图 Outline Drawing (Unit:mm)

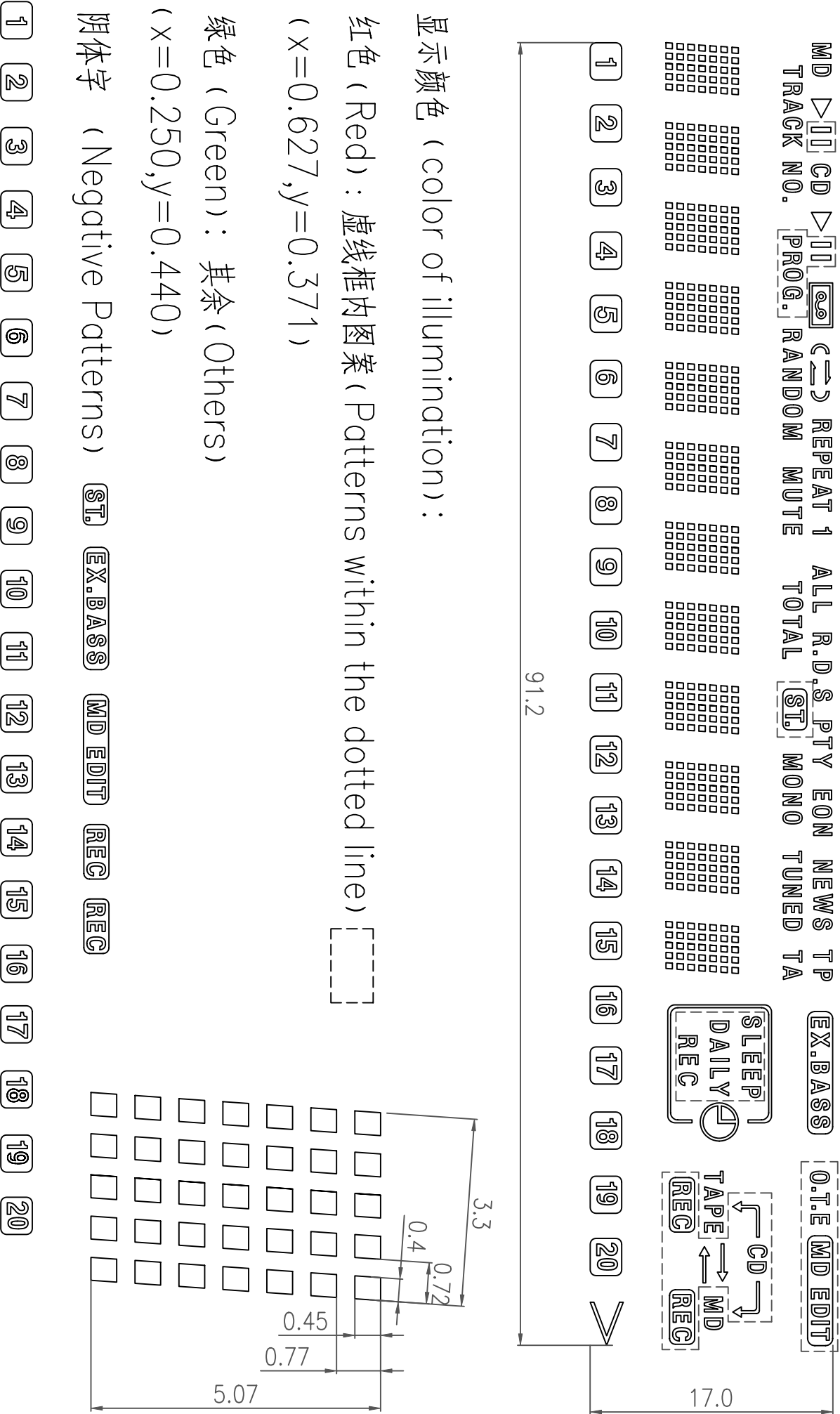


管脚连接 (PIN CONNECTION)

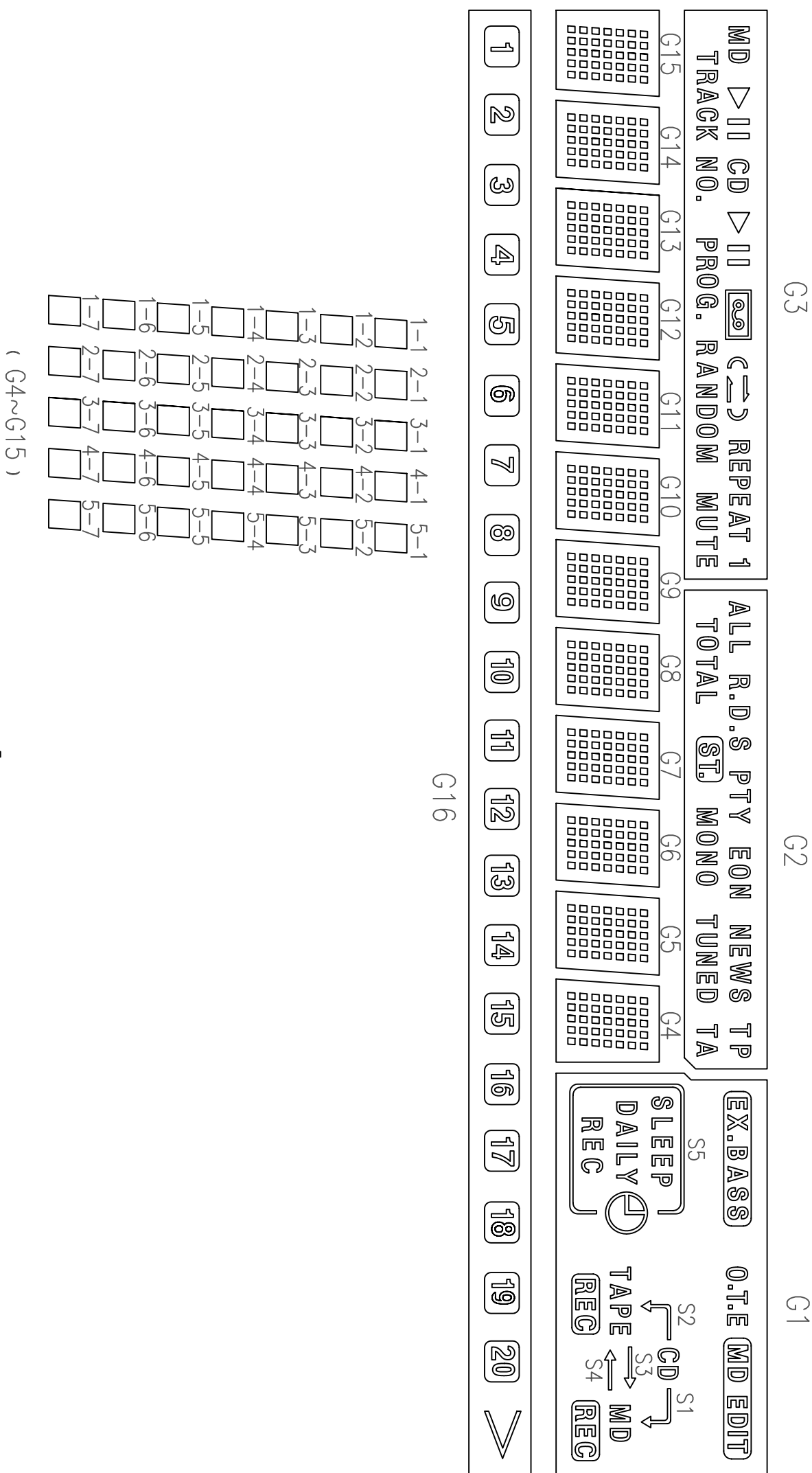
端子序号 (PIN NO.)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
连接 (CONNECTION)	F	F	NP	NP	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	NC	P35	P34	P33	P32	P31	P30	P29	P28	P27
端子序号 (PIN NO.)	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
连接 (CONNECTION)	P26	P25	P24	P23	P22	P21	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NP	NP	F	F

注： F: 灯丝 (Filament) P: 阳极 (Anode) G: 栅极 (Grid) NP: 无引出脚 (No Pin) NC: 空脚 (No Connection)

附图2：显示内容（Display Pattern）



附图 3：栅极分割 (Grid Assignment)



附图 4: 阳极连接 (Anode Connection)

	G16	G15~G4	G3	G2	G1
P1	➤	1-1	TRACK NO.	TOTAL	SLEEP
P2	20	2-1	PROG.	ST	DAILY
P3	19	3-1	RANDOM	MONO	REC
P4	18	4-1	MUTE	TUNED	⌚
P5	17	5-1	MD	TA	S5
P6	16	1-2	▷ (MD)	ALL	TAPE
P7	15	2-2	(MD)	R.D.S	REC (L)
P8	14	3-2	CD	PTY	MD
P9	13	4-2	▷ (CD)	EON	REC (R)
P10	12	5-2	(CD)	NEWS	S4
P11	11	1-3	⌚	TP	S3
P12	10	2-3	⌚	—	S2
P13	9	3-3	≡	—	S1
P14	8	4-3	▷	—	CD
P15	7	5-3	REPEAT	—	EX.BASS
P16	6	1-4	1	—	O.T.E
P17	5	2-4	—	—	MD EDIT
P18	4	3-4	—	—	—
P19	3	4-4	—	—	—
P20	2	5-4	—	—	—
P21	1	1-5	—	—	—
P22	—	2-5	—	—	—
P23	—	3-5	—	—	—
P24	—	4-5	—	—	—
P25	—	5-5	—	—	—
P26	—	1-6	—	—	—
P27	—	2-6	—	—	—
P28	—	3-6	—	—	—
P29	—	4-6	—	—	—
P30	—	5-6	—	—	—
P31	—	1-7	—	—	—
P32	—	2-7	—	—	—
P33	—	3-7	—	—	—
P34	—	4-7	—	—	—
P35	—	5-7	—	—	—