

**HUAI I ELECTRONICS CO., LTD.**

**SPECIFICATION**

**HIGH RESOLUTION MONITOR**

**MODEL : M3129DS-72**

**(Neck : Short Type)**

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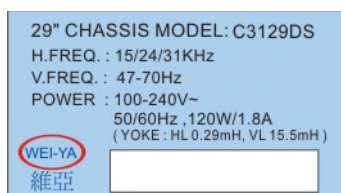
# 懷藝電子股份有限公司

## HUAI I ELECTRONICS CO., LTD.

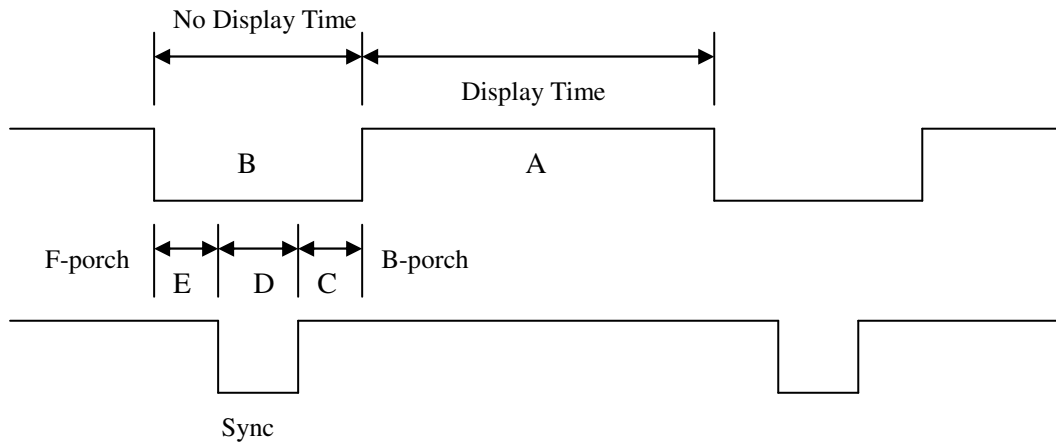
### SPECIFICATION

#### ● MONITOR

1. DESCRIPTION : 29" HIGH RESOLUTION MONITOR
2. MODEL : M3129DS-72
3. CRT : 29" LG A68QG793X602(M)
4. VIDEO INPUT : TTL 2.5 ~ 5.0 VPP / ANALOG ( 75 ohm ) 0.7 VPP
5. SYNC : TTL 2.5 ~ 5.0VPP Negative / Positive, Separate or Composite
6. H.FREQUENCY : 15/24/31KHZ
7. V.FREQUENCY : 47 ~ 70HZ
8. RESOLUTION : 640 X 480
9. VIDEO BANDWIDTH : 65MHZ
10. ADJUSTMENT FUNCTIONS :  
Contrast , Brightness , H-Size , H-Position , H-Hold , V-Size , V-Line, V-Position , V-Hold ,  
Pincushion , Trapezoid , Rotation , R.G.B Adj , Video Impedance SW
11. EXTERNAL CONTROL FUNCTIONS :  
Brightness , Contrast , V-Position , V-Size , V-Hold , H-Hold , H-Position , Pincushion ,  
H-Size , Video Impedance SW
12. TIMING CHART (View P2)
13. DEGAUSSING TYPE : AUTO DEGAUSS AT POWER ON
14. POWER INPUT : 100~240VAC , 50/60HZ
15. POWER CONSUMPTION : 120W/1.8A (Max)
16. SIGNAL CONNECTOR : 15PIN D-SUB (MALE) / 6PIN (R,G,B,GND,H/C,V)
17. OTHER : OPERATING TEMPERATURE 0~40°C , HUMIDITY 10~80%
18. LABEL



## TIMING CHART



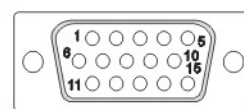
Mode		15K	24K	31K
Frequency	H	15.75±0.25KHZ	24.83±0.4KHZ	31.5±0.5KHZ
	V	60±1.5HZ	60±2.5HZ	60±1.0HZ
Display Time (A)	H	47.40~50.99us	30.78~32.28us	23.70~25.45us
	V	220~240H	354~384H	457~480H
No Display time (B)	H	12.50~16.20us	8.00~9.50us	6.30~7.94us
	V	23~43H	36~59H	45~68H
B-proch (C)	H	4.7~8.4us	2.3~4.8us	1.5~3.6us
	V	16~24H	26~34H	33~40H
Sync Width (D)	H	5.0±1.52us	4.0±1.0us	3.5±0.5us
	V	(3-1H)~(3+3H)	4±2H	3±1H
F-porch (E)	H	B-C-D	B-C-D	B-C-D
	V			

## PIN ASSIGNMENT

### 15pin D-SUB cable - Pin Assignment

PIN	VIDEO	PIN	VIDEO
1	R	13	H SYNC
2	G		C(H+V) SYNC
3	B	14	V SYNC
4,5,6,7,8,10,11	GND	9,12,15	No connection

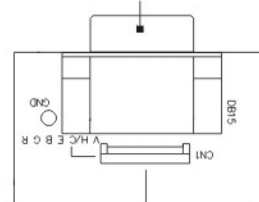
### 15pin D-sub (Male)



SIGNAL CABLE

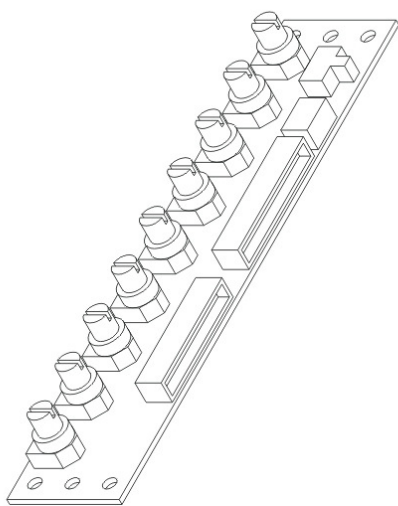
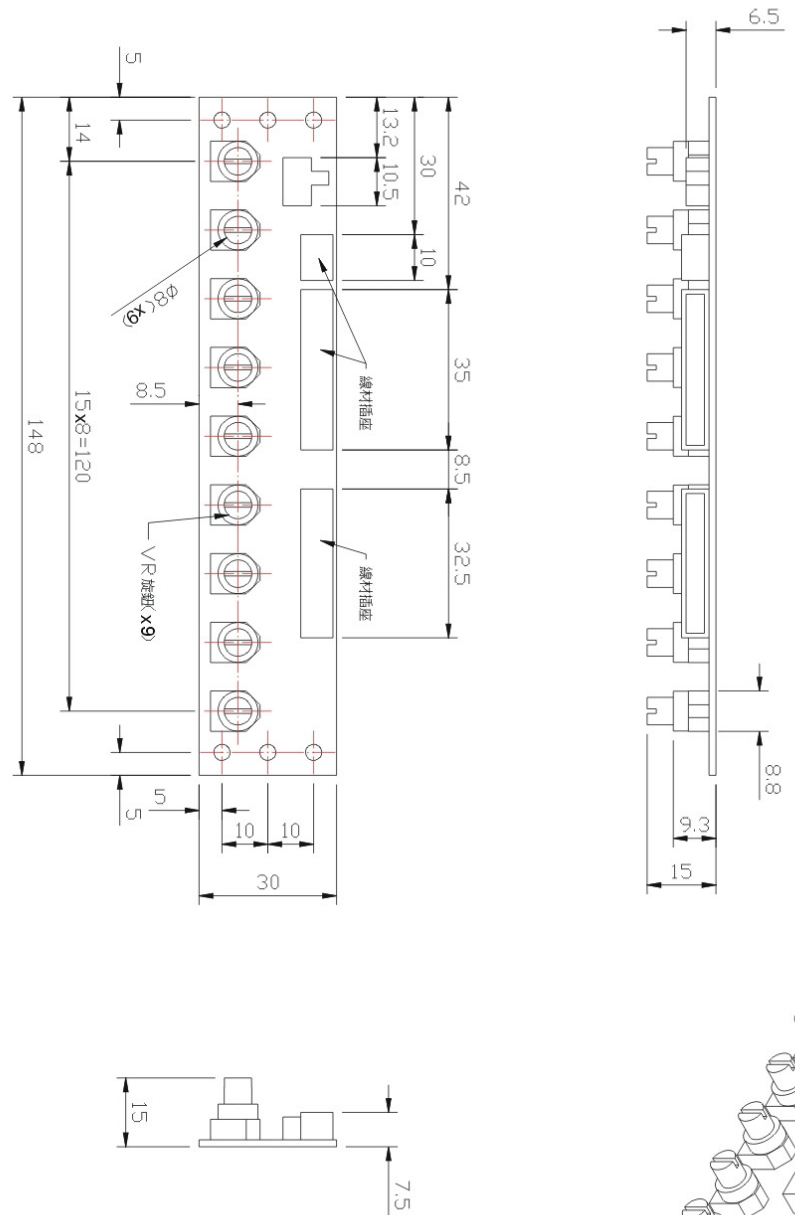


### 15pin D-sub / Female



R , G, B, GND , H/C , V

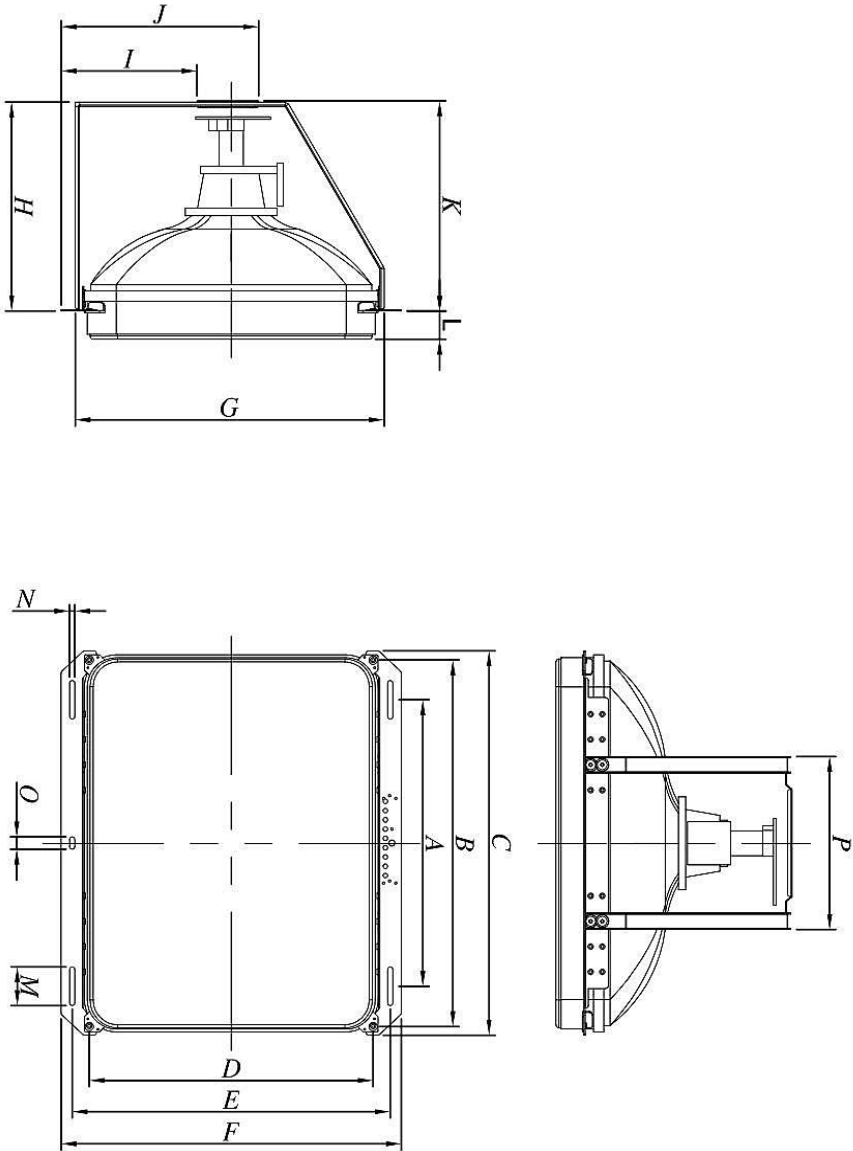
CONTROL BOARD MECHANICAL DRAWING



STANDARD TOLERANCE LIMITS UNLESS OTHER SPECIFIED		(43)	NAME	DATE	MATERIAL	懷藝電子股份有限公司	
RANGE		TOLERANCE	DRN BY	方建宏	2006.02.03	XXX	HUAI ELECTRONICS CO., LTD.
> 0~6		±0.08	DSN BY	方建宏	2006.02.03	FINISH	TEL: 886-6-2532771
> 6~30		±0.1	CHK BY			XXX	FAX: 886-6-2532827
> 30~120		±0.2	TITLE	3129A RC板			
> 120~300		±0.3	UNIT	m/m	SCALE	1:1	REV
> 300~600		±0.4	DRAW NO.	XXX			
> 600~1200		±0.5					

FRAME MECHANICAL DRAWING

DCC4R029



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
29"	463.5	592	622	464	520	556	505	338.2	222	323	340.2	45.6	62.5	8.6	20	280

Note:		1. 公差 t= mm		2. 未標明圓角 R 3.0mm		3. 未標明斜角角度 90°		4. 折彎半徑 R 0.1mm		5. 切面面向內, 但不可有毛邊或銳角。		6. 符合ROHS無鹵素環保要求。	
DRAW NO.		Model		M3129DS-LG		DATE		2014/06/11		REV		A	
SCALE		UNIT		m/m		DRAWN BY		吳重賢		CHECKED BY		APPROVED BY	
TOLERANCE		RANGE		±0.2		FINISH		POLISH		DATE		2014/06/11	
FINISH		POLISH		DATE		2014/06/11		REV		A		m/m	