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MAXEN ELECTRONICS LIMITED				Customer Code.:		SPECIFICATION OF BACKLIGHT																																																																																																																							
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								Design (设计)	

The main drawing shows a rectangular backlight assembly with dimensions: 359.30±0.30, 346.76±0.30(UP_PDL), 344.16(AA), 221.87±0.50, 211.60±0.30(OUTLINE), 196.69±0.30(P.PDL), 193.59(AA), 7.85, 9.15, 105.95, 1920*1080, Active Center, 50.91, 257.00, 6.20±0.30, 5.50±0.20, 120.69±0.50. A callout shows a detail of the LED chip labeled HX20006-2Y (2P/2.0mm).

ELECTRICAL/OPRICAL CHARACTERISTICS AT Ta=25°C						
PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	REMARK
Luminance of White	Iv	500	600		cd/m²	
Forward Voltage	Vf	37.8	42.0	44.8	V	If=240mA
Color Coordinate of CIE1931	X	0.270	0.310	0.350	-	
	Y	0.280	0.320	0.360	-	
Color Gamut	NTSC	60	67		%	
Luminous Tolerance	Iv-m	75	80		%	(min/max)*100
Luminance Contrast ratio	CR	1000	1200		-	

General Specification			
PARAMETER	SPECIFICATION	UNITS	REMARK
Number Of Pixels	1920*RGB*1080	Pixels	
Display Mode	Normally Black		
Display Colors	16.7M(8Bit)	colors	

ABSOLUTE MAXIMUM RATINGS			
Operating Temperature	TOPR	-20 TO+70	°C
Storage Temperature	T	-30 TO+80	°C

测试仪器: CA-310

※1. Internal Circuit Diagram

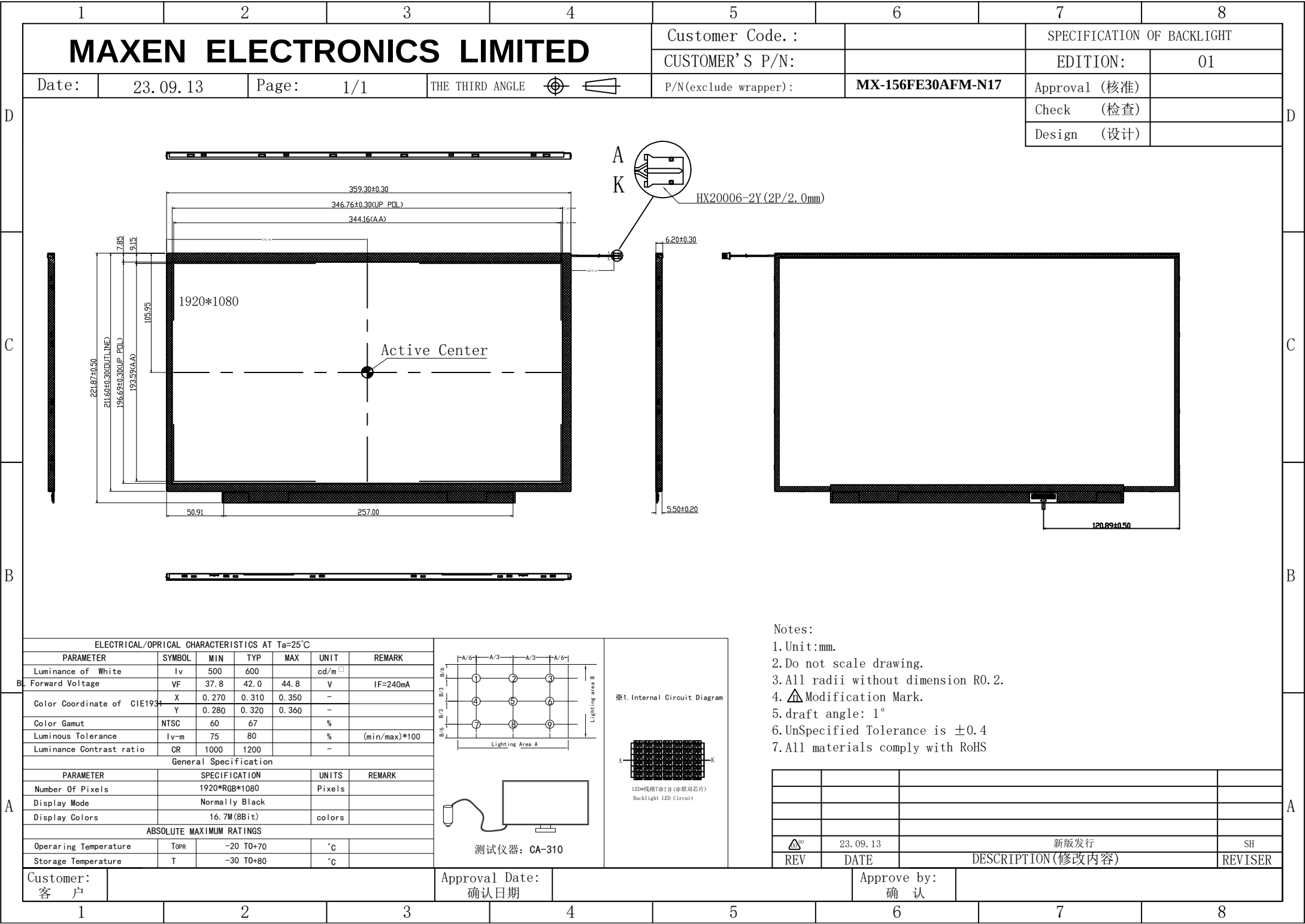
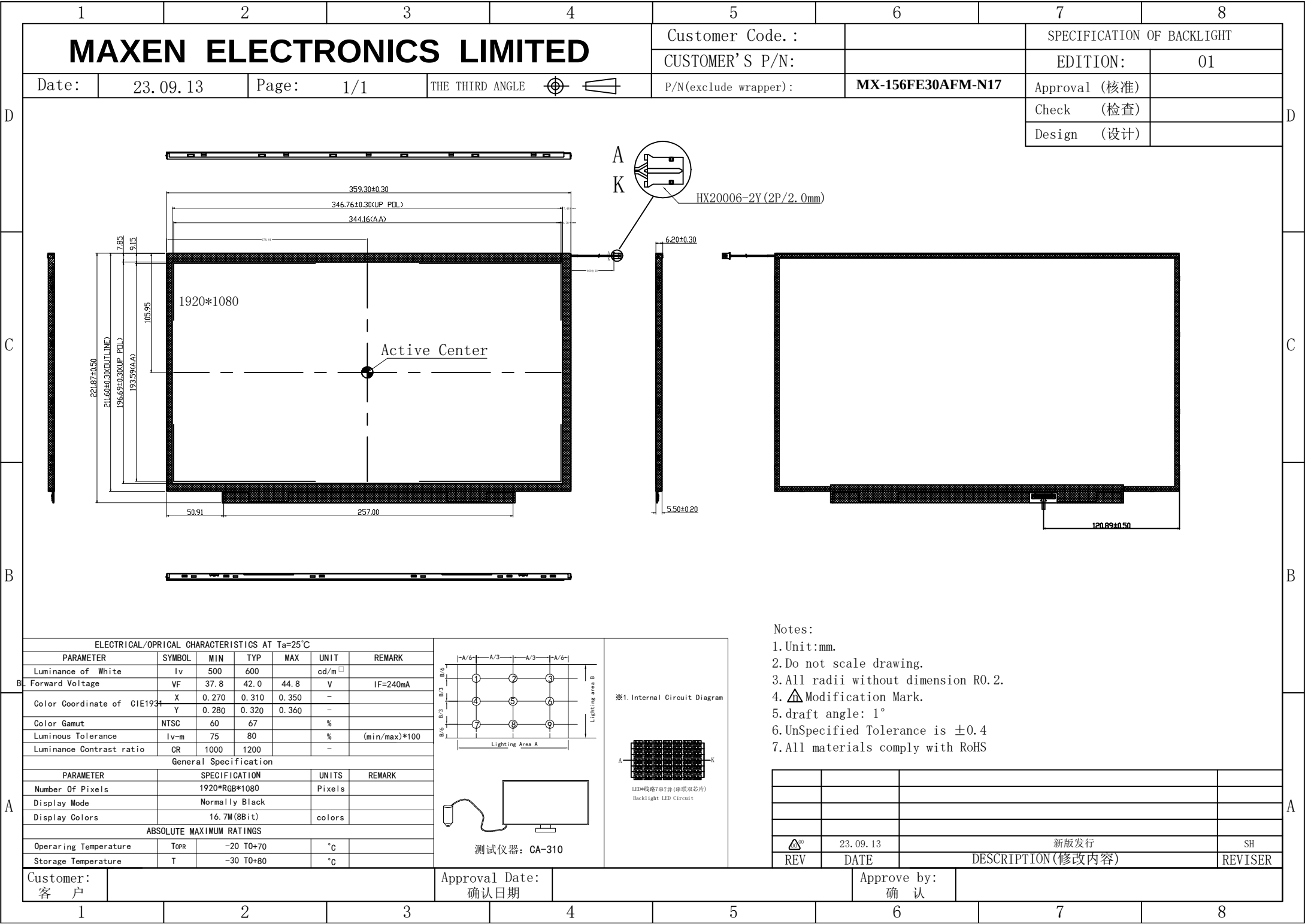
LED阵列灯7串(串联双芯片)
Backlight LED Circuit

Notes:
1. Unit:mm.
2. Do not scale drawing.
3. All radii without dimension R0.2.
4. △ Modification Mark.
5. draft angle: 1°
6. UnSpecified Tolerance is ±0.4
7. All materials comply with RoHS

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| | | | | | Design(设计) |
- 78.5

91.5

105.95

193.59(AA)

196.69±0.30(UP、PDL)

211.60±0.30(OUTLINE)

221.87±0.50

1920*1080

Active Center

50.91

257.00

359.30±0.30

346.76±0.30(UP、PDL)

344.16(AA)

A

K

HX2000G6-2Y(2P/2.0mm)

6.20±0.30

5.50±0.20

120.69±0.50

6.20±0.30

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120.69±0.50

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Display Mode	Normally Black		
Display Colors	16.7M(8Bit)	colors	

ABSOLUTE MAXIMUM RATINGS			
Operating Temperature	ToPR	-20 TO+70	°C
Storage Temperature	T	-30 TO+80	°C

测试仪器: CA-310

※1. Internal Circuit Diagram

LED阵列灯串并排(串联双芯片)
Backlight LED Circuit

Notes:
1.Unit:mm.
2.Do not scale drawing.
3.All radii without dimension R0.2.
4.△Modification Mark.
5.draft angle: 1°
6.UnSpecified Tolerance is ±0.4
7.All materials comply with RoHS

△	23.09.13	新版发行	SH
REV	DATE	DESCRIPTION(修改内容)	REVISER

[illegible]

