

# DRAM Products

Chiplus Semiconductor Corp. ( Chiplus in short ) is a technology-leading IC design house that is devoted to the design and development of green chips - High Speed Super Low Power SRAM & LED driver ICs, and committed to provide the best products, services and solutions to our global customers. Established in 2002 in Hsin-Chu, Taiwan, Chiplus started the design, manufacture and marketing of High Speed Super Low Power SRAM Memory products with unsurpassed reliability. We take great pride in our products have earned the certification & trust from famous makers of industrial/consuming instruments in the Japan, EU, USA and Pan-Pacific Asia areas. To meet and fulfill customer requirements with extensive product specification, we are working continuously to strengthen our design and manufacturing technologies while creating outstanding products required in a new era and high level electronic applications. Meanwhile, Chiplus is building up a globally international customer service and logistic network that assures soonest & efficient service and distribution.

## SDRAM

#	Part Number	Den. / Org.	VDD	Speed	Pin	Package	CS#
S	CS56SD64NC-6	64M / 4Mx16	3.0~3.6V	6ns	54	TSOPII 400mil	Single
S	CS56SD128NC-6	128M / 8Mx16	3.0~3.6V	6ns	54	TSOPII 400mil	Single
S	CS56SD256NC-6	256M / 16Mx16	3.0~3.6V	6ns	54	TSOPII 400mil	Single
S	CS56SD512NC-6	512M / 32Mx16	2.7~3.6V	6ns	54	TSOPII 400mil	Single
S	CS56SD5129C-6	512M / 32Mx16	2.7~3.6V	6ns	54	TFBGA/8x8mm	Single



POS Machine



Currency Count Machine

## LPDDR 1

#	Part Number	Den. / Org.	VDD	Clock Rate	Speed	Package	CS#
S	CS66DR2563W-60	256M / 16Mx16	1.7~1.95V	166MHz	333MHz	60 TFBGA	Single
S	CS66DR5123W-50	512M / 32Mx16	1.7~1.95V	200MHz	400MHz	60 TFBGA	Single
S	CS66DR1G3W-50	1G / 64Mx16	1.7~1.95V	200MHz	400MHz	60 TFBGA	Single



Thermal Imager

## SDRAM

#	Part Number	Den. / Org.	VDD	Clock Rate	Speed	Package	CS#
S	CS66DT1G6Q5C-....	1G / 64Mx16	1.5V	800MHz	1600MHz	96 TFBGA	Single
S	CS66DT1G7Q5C-8K	1G / 64Mx16	1.35V	800MHz	1600MHz	96 TFBGA	Single
S	CS66DT2G6Q5C-8K	2G / 128Mx16	1.5V	800MHz	1600MHz	96 TFBGA	Single
S	CS66DT2G7Q5C-8K	2G / 128Mx16	1.35V	800MHz	1600MHz	96 TFBGA	Single
S	CS66DT4G6Q5C-8K	4G / 256Mx16	1.5V	800MHz	1600MHz	96 TFBGA	Single
S	CS66DT4G7Q5C-8K	4G / 256Mx16	1.35V	800MHz	1600MHz	96 TFBGA	Single



LED Control Panel

## LPDDR2

Part Number	Organisation	VDD1/VDD2/VDDQ	Clock Rate	Data Rate	Package	CS#
Density: 1G						
CS63DS1G6W-25	32Mx32	1.8V/1.2V/1.2V	400MHz	800MHz	134 TFBGA 10x11.5mm	MP
CS66DS1G6W-25	64Mx16	1.8V/1.2V/1.2V	400MHz	800MHz	134 TFBGA 10x11.5mm	MP



Industrial HMI

**II . Analog IC's**

LED Driver for Display				
#	Part Number	Product Description	Pin	Package
<b>Output Channel: 8</b>				
1	CS8819AD	Input DC Vcc: 3.0~5.5V Max Output Drain: 17V Output Current: 3~120 mA	16	SSOP 150mil
<b>Output Channel: 16</b>				
1	CS8817AF	Input DC Vcc: 3.3~5.0V Max Output Drain: 17V	24	SSOP 236mil
2	CS8817AN	Input DC Vcc: 3.3~5.0V Max Output Drain: 17V	24	SSOP 150mil

LED Driver for Lighting				
#	Part Number	Product Description	Pin	Package
<b>Output Channel: 1</b>				
1	CS8906C	Supply Voltage: 12-25V Output Current: 300 mA Fit: E26/27, T5/T8, LED Lamp	6	SOT-23-6



**LED Driver**

LDO										
Part No	Application	Package	DC Input Voltage(V)	Output Voltage (V1) X.X	Output Voltage (V2) Y.Y	Output Channel	Supply Current (uA) Typ	EN Pin	Output Current (mA)	Accuracy (%)
CS3111AXXT	Portable Communication Equipment	SOT-23-3L	2.0~6.0	1.2~4.8	NC	1	25	N	300	±2
CS3111BXXT	Portable Communication Equipment	SOT-23-5L	2.0~6.0	1.2~4.8	NC	1	25	Y	300	±2
CS3121CXXYYT	Portable Communication Equipment	SOT-23-6L	2.0~6.0	1.2~4.8	1.2~4.8	2	50	Y	300	±2

**Chiplus LDO Cross-Reference List**

P/N	DC Vin(V)	DC Vout(V)	Output Adjustable	Output Channel	Supply Current(uA)	EN Pin	Output Current (mA)	Accuracy(%)	Package	Brand	Cross Reference Part No
CS3111	2 to 6	1.2 to 4.8	N	1	25		300	±2	SOT-23-3L	DIODES	AP7333,PAM3101
										Torex	XC6206
										Richtek	RT9198/RT9198A,RT9198T
										UTC	LR1101
										TI	TLV70228,TPS722xx,LP5951,LP5907,LP3990,LP3984,LP2980-N
										ST	LD39015xx,LDCL015XX33
										DIODES	AP7331,PAM3101
										ON-Semi	NCP4688,NCP4586,NCP4588,NCP4680,NCP4681
										JRC	NJU7250,NJU7772F,NJU7775F
										Richtek	RT9030A,RT9198/RT9198A,RT9198T
CS3121	1.2 to 2.8			2	50	V			SOT-23-6L	ADI	ADP1710,ADP151,ADP121
										UTC	LR1101,LR1102,L1131C,LR1121B,LR1122B,LR1122D
										ON-Semi	CAT6221
										ADP1710,ADP1712	
CS3113	0.8		Y	1	25	V			TSOT-23-5L	LDK120xx,LDCL015xx	
										ADP1710,ADP1712	

