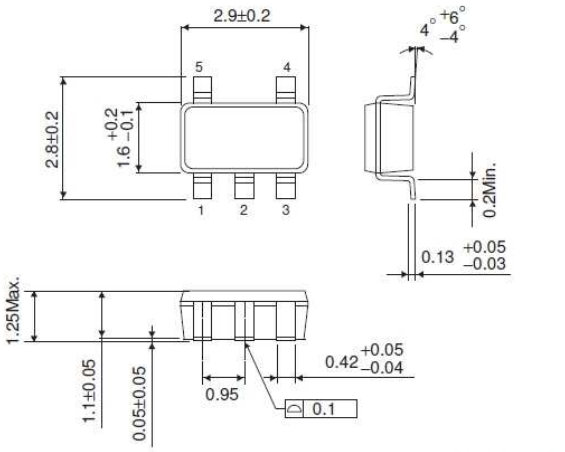
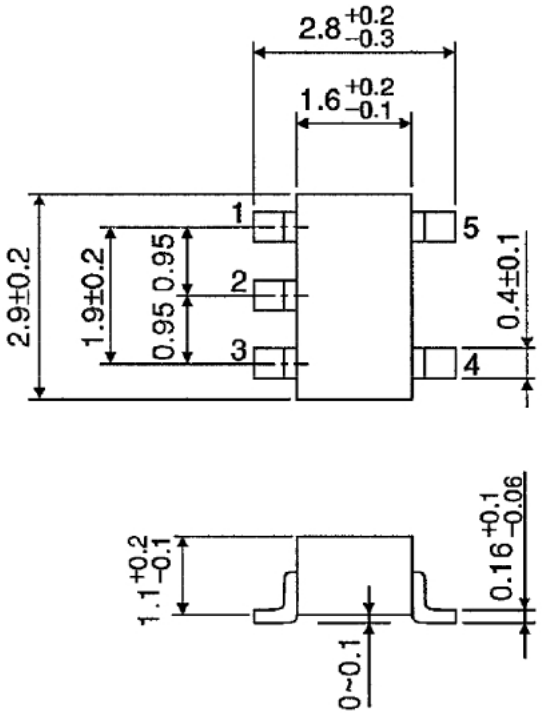
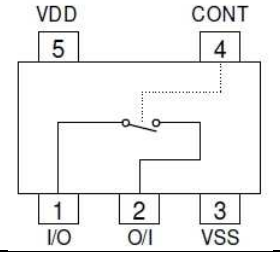
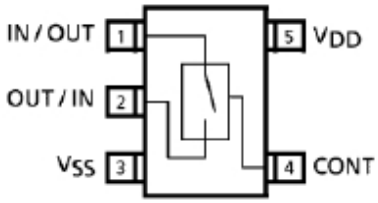
Comparison Report

1. Package Dimension

Item	Old 3ABU4S6601Y IC (BU4S66G2-TR,SMD,ROHM)	New 3ATC4S66F1Y IC (TC4S66F,LF,SSOP5,TOSHIBA)
SSOP5		

2. Function table

Old 3ABU4S6601Y	New 3ATC4S66F1Y
Input / Output Table CONT | SW L | OFF H | ON 	TRUTH TABLE CONTROL | IMPEDANCE BETWEEN IN / OUT-OUT / IN * H | 0.5~5 × 10² Ω L | > 10⁹ Ω 

DIVA Labs.

Comparison Report

3. Electrical (Ta=25°C)

ABSOLUTE MAXIMUM RATINGS (T_C = 25°C)

Parameter	Symbol	Limits		Unit
		(Old)	(New)	
Power Supply Voltage	V_{DD}	-0.3 ~ 18	Vss-0.5 ~ Vss+20	V
Supply Current	I_{in}	±10	100 to 500	mA
Operating Temperature	T_{OPR}	-40 to +85	-40 to +85	°C
Storage Temperature	T_{STG}	-55 to +150	-65 to +150	°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C)

Parameter	Symbol	(Old)			(New)			Unit
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Operating Power Supply	V_{DD}	3		16	3		18	V
Input Voltage	V_{in}	0		V_{DD}	0		V_{DD}	V
Propagation delay time (I/O→O/I, VDD 5V)	tPLH tPHL		15 15			15 15	40 40	ns
Propagation delay time (CONTROL→O/I, VDD 5V)	tPZH tPZL		80 80			55 55	120 120	ns
Maximum control frequency	fmax(C)		10			10		MHz

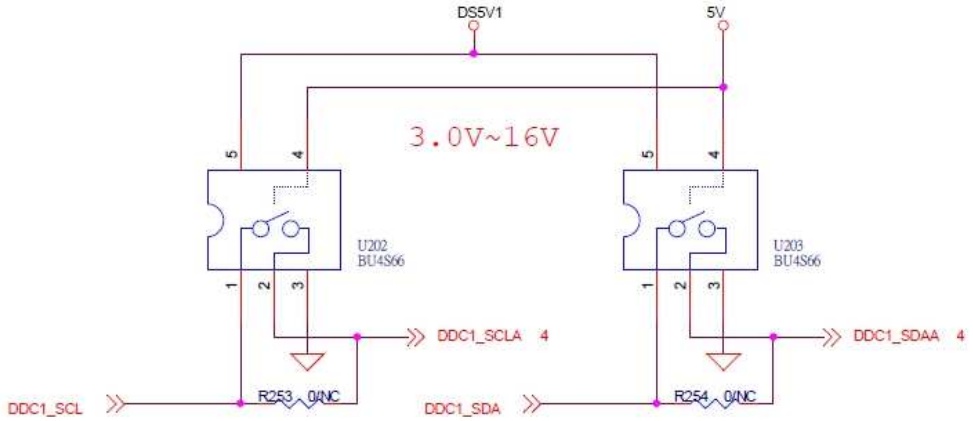
4. NEW SAMPLE TESTING & EVALUATION

Test Model: RGD2162AMII-PW(AG) , 2AAD353R038

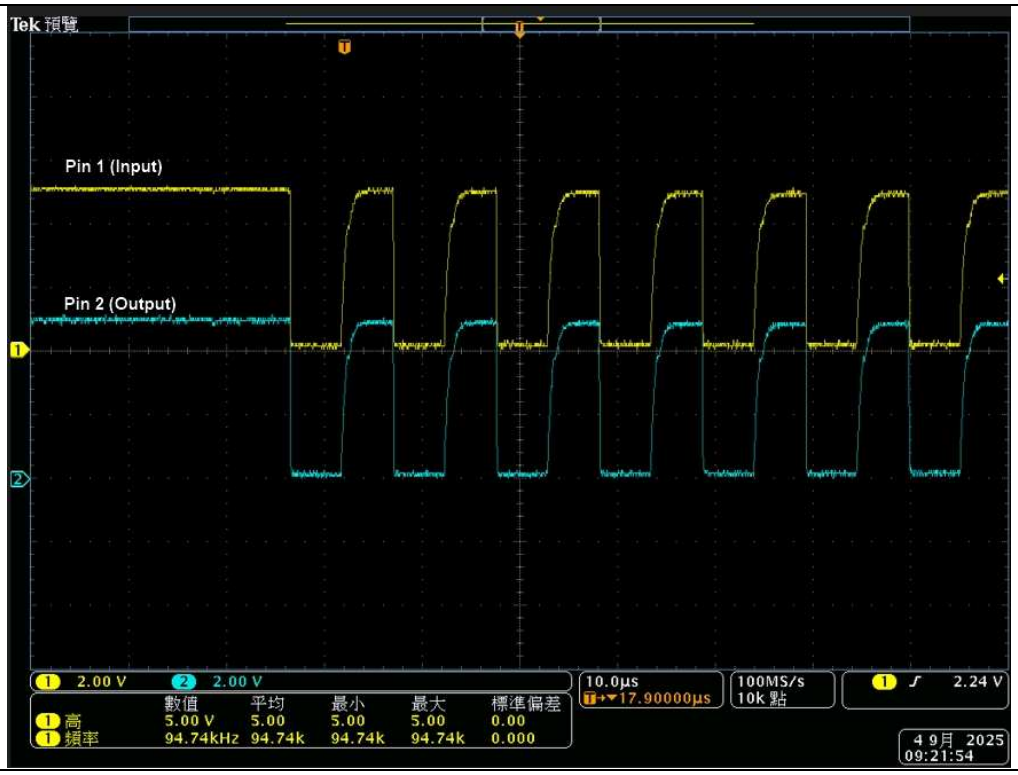
450-10121-0027_RGP , 2AAD094R238

Test Result: Pass

Test Circuit (U202) , pin 1, 2



Comparison Report

Old: 3AAPL59340Y	
NEW: 3ATC4S66F1Y	

Comparison Report

5. Conclusion

This component change has been evaluated by DIVA; the initial successor evaluation showed the new successor is compatible with former model. None of the other components and program will be needed to recalibrate or implement. The ECN will be provided if you approve.