

ALPSALPINE CO., LTD.

6-1, Nishida, Kakuda, Kakuda-city, Miyagi-pref.,
981-1595, Japan
Phone: +81-224-63-1211

6.December. 2021
No. TSW-T007

ATTN :Avnet

Subject: Request for additional production sites of TACT switch

To whom it may concern,

Thank you for your continued cooperation.

This is to inform you of the subject above.

1. Contents

- Stable supply of our customers is our first preference.
- Potential impacts of Covid-19, environmental aspects (storm, flood etc.) and energy arestrictions require concrete BCP (business contingency plan) by diversifying manufacturing and supply risk.
- As consequence we need your cooperation on the approval to start supply out of additional production sites as below.
- If you have any special request or instructions concerning this matter, please inform us by January31st, 2022.(Please write approval or comment on the approval / comment column of the bottom.)
- If you do not contact us by January31st, 2022, we will consider you to have approved additional production areas.

Current production location:	Additional Production location:
ALPS ALPINE EUROPE GmbH(GERMANY)	ALPS ALPINE Co., Ltd. Kakuda Plant (JAPAN)
	NINGBO ALPS ELECTRONICS Co., Ltd. (CHINA)

2. Implementation date

Jan. 2023 onwards

3. Subjected models

Please refer to page 2 for the Subjected models.

4. 4M change points

	(JPN)Kakuda	(CHN)Ningbo
Man	Tact switch production has been carried out since 1994 and currently still producing there.	Tact switch production has been carried out since 2004 and currently still producing there.
Machine	The machine structure of the SKRP series changes. (We use them as standard.) * For details, please refer to the "Target Model List".	There is no change in the machine structure.
Method	The process flow of the SKRP series changes. (We use them as standard.) * For details, please refer to the "Target Model List".	There is no change in the process flow.
Material	"Frame materials in some models are procured locally. In addition, for SKRA-E010 series stems, in-house made stems will be added to purchased ones..However, there is no material specification change. (We use them as standard.) * For details, please refer to the ""Target Model List""."■	
Others (Non 4M change)	For SKRP series, we will change the product number from SKRPADE011 to SKRPADE010. Because we'd like to unify to our standard product number. Both products themselves are exactly the same. For SKQG series, we will change the product number from SKQGAKE010 to SKQGAKE020. Because we'd like to unify to our standard product number. Both products themselves are exactly the same.	

5. About submission of approval sample

If you need an approval sample, please contact us by Jan.31st, 2022. We are preparing approval samples for representative product numbers. Representative samples can be shipped in April 2022. (Shipments: 5pcs.)

If it is not enough with only the representative model, please contact us by the deadline with the necessary numbering and quantity and packing form (reel or single item).

6. Inquiries about quality

Quality Assurance Group1 in Kakuda plant will take care of all inquiries concerning quality, etc. for the products which produced by additional sites.

(Approval/Comments field)

Sincerely Yours,

ALPS ALPINE CO., LTD.
Quality Assurance Dept.2

S. Hirohata
Shinichi Hirohata / Manager

【Target Model List】

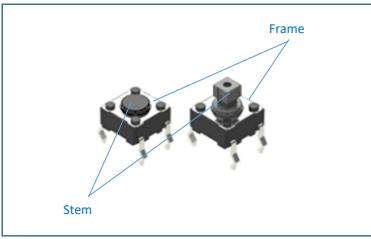
Customer name Number ■	Customer Part Number ■	Our Part Number■	Machine		Method		Material		Approval sample
			(JPN)Kakuda	(CHN)Ningbo	(JPN)Kakuda	(CHN)Ningbo	(JPN)Kakuda	(CHN)Ningbo	
Avnet	SKHHAJA010	SKHHAJA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHAKA010	SKHHAKA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHALA010	SKHHALA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHAMA010	SKHHAMA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHANA010	SKHHANA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHAPA010	SKHHAPA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHQA010	SKHHQA010	-	-	-	-	-	Frame materials : *1	○
Avnet	SKHHARA010	SKHHARA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHBSA010	SKHHBSA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHBVA010	SKHHBVA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHBWA010	SKHHBWA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHBYA010	SKHHBYA010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKHHLMA010	SKHHLMA010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKHHLNA010	SKHHLNA010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKHHLPA010	SKHHLPA010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKHHLQA010	SKHHLQA010	-	-	-	-	Frame materials : *1	Frame materials : *1	○
Avnet	SKHHLRA010	SKHHLRA010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKHHLSA010	SKHHLSA010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKHHLUA010	SKHHLUA010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKHHLVA010	SKHHLVA010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKHHLWA010	SKHHLWA010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKHMAD010-SEB	SKHMAD010	-	-	-	-	Frame materials : *1	-	-
Avnet	SKHMAE010-DAN	SKHMAE010	-	-	-	-	Frame materials : *1	-	-
Avnet	SKHMQE010-GR	SKHMQE010	-	-	-	-	Frame materials : *1	-	-
Avnet	SKHMKE010	SKHMKE010	-	-	-	-	Frame materials : *1	-	-
Avnet	SKHMKE010	SKHMKE010	-	-	-	-	Frame materials : *1	-	-
Avnet	SKHMKE010	SKHMKE010	-	-	-	-	Frame materials : *1	-	-
Avnet	SKHMKE010	SKHMKE010	-	-	-	-	Frame materials : *1	-	-
Avnet	SKHMKE010	SKHMKE010	-	-	-	-	Frame materials : *1	-	○
Avnet	SKHMKE010	SKHMKE010	-	-	-	-	Frame materials : *1	-	-
Avnet	SKQGAAE010	SKQGAAE010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKQGABE010	SKQGABE010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKQGACE010	SKQGACE010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKQGADE010	SKQGADE010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKQGAEE010	SKQGAEE010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKQGAFE010	SKQGAFE010	-	-	-	-	-	Frame materials : *1	-
Avnet	SKQGAKE010	SKQGAKE010	-	-	-	-	-	Frame materials : *1	○
Avnet	SKQYAAE010	SKQYAAE010	-	-	-	-	-	-	-
Avnet	4000014	SKQYABE010	-	-	-	-	-	-	-
Avnet	SKQYACE010	SKQYACE010	-	-	-	-	-	-	-
Avnet	SKQYAFE010	SKQYAFE010	-	-	-	-	-	-	○
Avnet	SKQYPAE010	SKQYPAE010	-	-	-	-	-	-	-
Avnet	SKQYPBE010	SKQYPBE010	-	-	-	-	-	-	-
Avnet	SKRAAKE010	SKRAAKE010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKRAALE010	SKRAALE010	-	-	-	-	Stem materials : *2	Stem materials : *2	-
Avnet	SKRAALE020	SKRAALE020	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKRAALE020	SKRAALE020	-	-	-	-	Stem materials : *1	Stem materials : *1	-
Avnet	SKRAAME010	SKRAAME010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKRAANE010 ECC	SKRAANE010	-	-	-	-	Stem materials : *2	Stem materials : *2	-
Avnet	ALLSKRAAQE010-SGA	SKRAAQE010	-	-	-	-	Frame materials : *1	Frame materials : *1	○
Avnet	SKRAAQE610	SKRAAQE610	-	-	-	-	Stem materials : *2	Stem materials : *2	-
Avnet	SKRAAQE610	SKRAAQE610	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKRAASE010-ELX	SKRAASE010	-	-	-	-	Frame materials : *1	Frame materials : *1	-
Avnet	SKRBAAE010	SKRBAAE010	-	-	-	-	Stem materials : *2	Stem materials : *2	○
Avnet	SKRBACE010	SKRBACE010	-	-	-	-	-	-	-
Avnet	SKRBAGE010	SKRBAGE010	-	-	-	-	-	-	-
Avnet	SKRBAKE010	SKRBAKE010	-	-	-	-	-	-	-
Avnet	SKRPABE010	SKRPABE010	Change machine structure	-	Change process flow	-	-	-	-
Avnet	SKRPACE010	SKRPACE010	Change machine structure	-	Change process flow	-	-	-	○
Avnet	SKRPAD010	SKRPAD010	Change machine structure	-	Change process flow	-	-	-	-
AVNET SINGAPORE	ALLSKRPAD011	SKRPAD011	Change machine structure	-	Change process flow	-	-	-	-

*1 Local procurement , however, there is no material specification change.

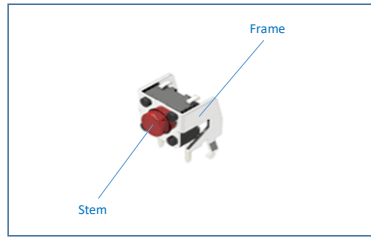
*2 For SKRA series stems, in-house stems will be added from purchases only.

【Tact switch picture】

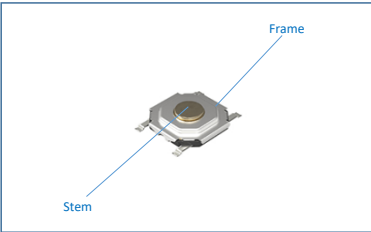
• SKHH series



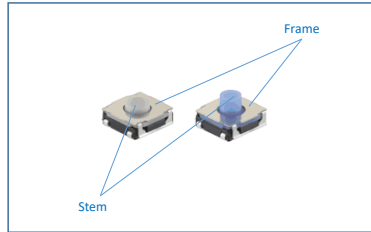
• SKHHL series



• SKQG series



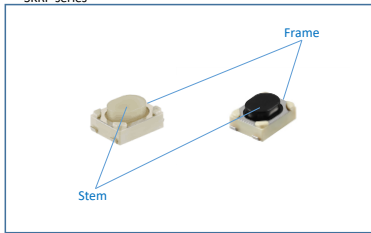
• SKRA series



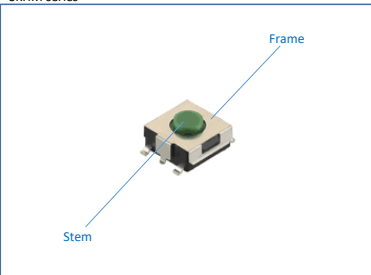
• SKRB series



• SKRP series



• SKHM series



• SKQY series

