

Product Change Notification

Product group: 製品グループ	MiniSKiiP® 2nd generation	Rev.: 00
No.: PCN 17-019	Replacement of MiniSKiiP® II generation 1-2 housing tools due to end of service life of tools. ツールの耐用年数終了によるMiniSKiiP®II世代1-2ハウジングツールの変更	

Subject of change: Replacement of MiniSKiiP® II generation 1-2 housing tools due to end of service life of tools. In the course of tool renewal, the plastic material has been upgraded to Ultradur B4450 G5.
変更主題

SEMIKRON product type: All MiniSKiiP® II. Generation housing size 1 and 2 power modules. For a detailed overview of products affected see the attached product listing.
対象製品タイプ すべてのMiniSKiiP®第 世代、ハウジングサイズ1と2の製品。対象製品は、添付の製品一覧をご参照ください。

Description of change:
変更内容

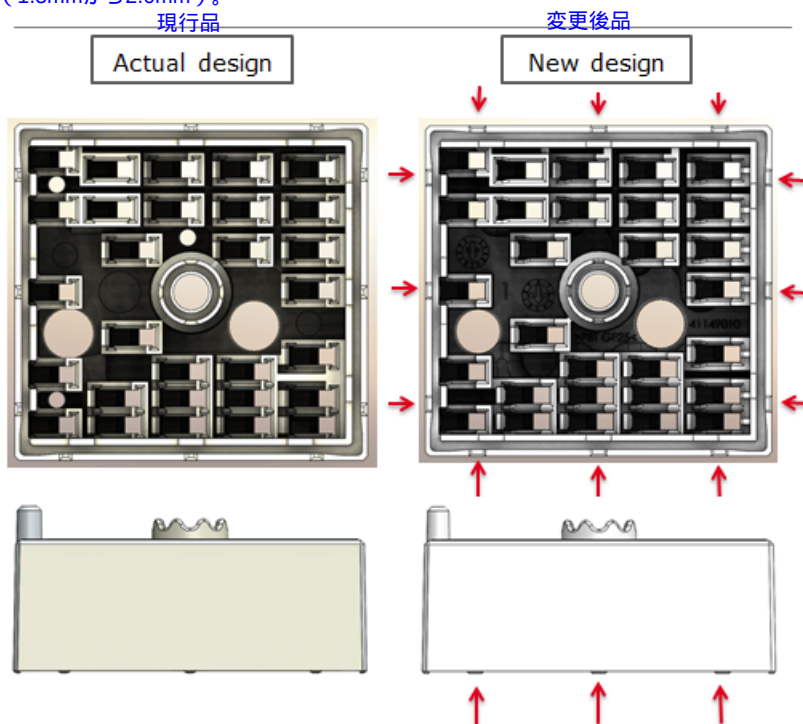
- Change from housing material Noryl V02570-8303 to Ultradur B4450 G5 ハウジング材質をNoryl V02570-8303からUltradur B4450 G5に変更
- **Elimination of small holes for improved molding process**
成形プロセスの改善のための小孔の除去
- **Sealing hole diameter decreased from 6.0mm to 5.4mm for improved guiding at automated assembly process (MiniSKiiP housing size 1 only)**
シーリング穴の直径を6.0mmから5.4mmに縮小し、自動組立工程のガイドを改善 (MiniSKiiPハウジングサイズ1のみ)
- **Additional adjustment hole for improved guiding at automated assembly process (MiniSKiiP housing size 2 only)**
自動組立工程におけるガイドを改善するための追加調整穴 (MiniSKiiPハウジングサイズ2のみ)
- **PCB guiding pin diameter decreased from 3.0mm to 2.7mm to ensure a smoother insertion of the PCB**
PCBガイドピンの直径を3.0mmから2.7mmに縮小し、PCBのスムーズな挿入を確保



The data sheet drawings will remain unchanged
データシート図面に変更はありません

- Enlarged anti-twist geometry (from 1.5mm to 2.0mm) between case and DBC for improved robustness during mounting to heatsink.

ヒートシンクに取り付ける際の堅牢性を向上させるための、ケースとDBCの間のねじれ防止スペースを拡張（1.5mmから2.0mm）。



Reason for change:

変更理由

End of life of housing tools

ハウジングツールの耐用年数終了による

Identification of change:

変更品の識別

The product part number and description will remain unchanged, the changed product can be identified via the date code.

製品番号に変更はありません。変更はデートコードにより識別されます。

Earliest time of change:

変更予定日

01.07.2017

Supporting documentation:

関連資料

Availability on request

ご要望による

Module Samples:

サンプルリクエスト

Availability on request

ご要望による

Author:

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→Please respond to this PCN by returning the attached customer approval form to your local sales partner. 添付お客様承認書にご署名の上、弊社営業担当までご返送下さいますようお願い申し上げます。

→According to the IEC Standard JESD46 no response to this PCN within 30 days after receipt constitutes acceptance of the change.

IEC標準規格JESD46により、この通知を受領後30日以内にご連絡いただかない場合は、了承されたものと致します。

Qualification Plan: 認証プラン

No.	Test	Due date Samples under test
1	Insulation test [3kV_eff AC, 1min, 150°C]	June 2017 (/10)
2	Size and weight [assembled body + DCB]	June 2017 (/6)
3	Vibration (sine, resonance) [Sinusoidal sweep, 5 g, 2 h per axis (x, y, z)]	June 2017 (/6)
4	Mechanical Shock [Half sine pulse, 30 g, 3 times each direction (±x, ±y, ±z)]	June 2017 (/6)
5	Torque (terminals, mounting plate...) [mounting (max 2,5Nm)]	June 2017 (/10)
6	High Temperature Storage (HTS) [1,000 h, Tstg(max)]	June 2017 (/20)
7	Low Temperature Storage (LTS) [1,000 h, Tstg(min)]	June 2017 (/20)
8	Storage in humid heat (THB) [85°C, 85%H, 1000h]	June 2017 (/24)
9	Thermal Shock (TS) [100 cycles, Tstg(max) – Tstg(min)]	June 2017 (/15)
10	High Temperature Reverse Bias (HTRB) [Tj=175°C, 1,000h, Vce=95%]	June 2017 (/15)
11	Labeling of components and connections [laser mark]	June 2017 (/5)

対象製品リスト - 製品番号別

List of affected products – sorted by Part Number:

Part Number	Module description
25220010	SKiiP 11NAB126V1
25220050	SKiiP 13AC126V1
25220080	SKiiP 24AC126V1
25220160	SKiiP 28ANB16V1
25220230	SKiiP 11NAB065V1
25220240	SKiiP 12NAB065V1
25220260	SKiiP 14NAB065V1
25220290	SKiiP 25NAB065V1
25220300	SKiiP 26NAB065V1
25220390	SKiiP 22NAB126V10
25220400	SKiiP 25NAB065V10
25220410	SKiiP 25AC125V10
25220420	SKiiP 23NAB126V10
25220430	SKiiP 24NAB126V10
25230010	SKiiP 11NAB126V1
25230020	SKiiP 12NAB126V1
25230030	SKiiP 11AC126V1
25230040	SKiiP 12AC126V1
25230050	SKiiP 13AC126V1
25230060	SKiiP 23NAB126V1
25230070	SKiiP 24NAB126V1
25230080	SKiiP 24AC126V1
25230090	SKiiP 25AC126V1
25230100	SKiiP 26AC126V1
25230150	SKiiP 2I06V2
25230160	SKiiP 28ANB16V1
25230170	SKiiP 28AHB16V1
25230230	SKiiP 11NAB065V1
25230240	SKiiP 12NAB065V1
25230250	SKiiP 13NAB065V1
25230260	SKiiP 14NAB065V1
25230270	SKiiP 14AC065V1
25230280	SKiiP 15AC065V1
25230300	SKiiP 26NAB065V1
25230330	SKiiP 28AC065V1
25230360	SKiiP 13ACM12V16
25230390	SKiiP 22NAB126V10
25230400	SKiiP 25NAB065V10
25230410	SKiiP 25AC125V10
25230420	SKiiP 23NAB126V10
25230430	SKiiP 24NAB126V10
25230440	SKiiP 28GBB125V1
25230470	SKiiP 26ACM12V17
25230480	SKiiP 28ANB16V2
25230490	SKiiP 28AN16V2

Part Number	Module description
25230560	SKiiP 26NBB126V10
25230580	SKiiP 11NAB066V1
25230590	SKiiP 12NAB066V1
25230600	SKiiP 13NAB066V1
25230610	SKiiP 14NAB066V1
25230620	SKiiP 25NAB066V1
25230630	SKiiP 26NAB066V1
25230700	SKiiP 15AC066V1
25230710	SKiiP 26AC066V1
25230720	SKiiP 27AC066V1
25230730	SKiiP 28AC066V1
25230740	SKiiP 22NAS12F4V1
25230750	SKiiP 13ACR126V1
25230770	SKiiP16NEL16V1
25230800	SKiiP 14NAC066V10
25230810	SKiiP 14NAC066V10
25230830	SKiiP 11HEB066V1
25230840	SKiiP 12HEB066V1
25230850	SKiiP 2I06V1
25230860	SKiiP 2I06V3
25230900	SKiiP 11AC126V10
25230910	SKiiP 28GBB125V3
25230920	SKiiP 16GH066V1
25230930	SKiiP 27GH066V1
25230950	SKiiP 28GBB125V2
25231080	SKiiP 23AC126V1
25231110	SKiiP 1 mech. Sample
25231120	SKiiP 2 mech. Sample
25231200	SKiiP 12NAB126V20
25231210	SKiiP 13AC126V20
25231220	SKiiP 23NAB126V20
25231270	SKiiP 28AHB16V4
25231350	SKiiP 28ANB16V10
25231370	SKiiP 28AHB16V3
25231400	SKiiP 26AC12T4V1
25231410	SKiiP 23NAB12T4V1
25231420	SKiiP 24NAB12T4V1
25231430	SKiiP 13NEB066V1
25231440	SKiiP 12NAB12T4V1
25231460	SKiiP 24AC12T4V1
25231510	SKiiP 23ACC12T4V10
25231520	SKiiP 24ACC12T4V10
25231540	SKiiP 23NAB12T4V10
25231550	SKiiP 25AC12T4V1
25231560	SKiiP 24NAB12T4V10

Part Number	Module description
25231580	SKiiP 11NAB12T4V1
25231590	SKiiP 12AC12T4V1
25231610	SKiiP 11AC12T4V1
25231620	SKiiP 26AC12T4V1
25231630	SKiiP 13AC12T4V1
25231660	SKiiP 10NAB12T4V1
25231690	SKiiP 13AC12KV1
25231700	SKiiP 25BBS12T4V1
25231710	SKiiP25AC12F4V19
25231910	SKiiP 24NAB176V1
25232100	SKiiP27AM12T4V1
25232110	SKiiP23NAB12T4V2
25232120	SKiiP 24NAB12T4V4
25232200	SKiiP 27MLI07E3V1
25232400	SKiiP 25NEB066V1
25232430	SKiiP 12ACC12T4V10
25232480	SKiiP 11NAB126V15
25232490	SKiiP 28GH066V1
25232500	SKiiP 11ACC12T4V10
25232520	SKiiP 23AC12T4V1
25232550	SKiiP 25GH126V11
25232560	SKiiP28GAD12T4V1
25232570	SKiiP 26GH12T4V11
25232600	SKiiP 13ACM12V15
25232640	SKiiP 28ANB18V1
25232670	SKiiP 26 AC12T4V2
25232700	SKiiP 26GH06F4V1
25232710	SKiiP 23GH12F4V1
25232720	SKiiP 25GH06F4V1
25232730	SKiiP 25NEL06F4V1
25232750	SKiiP 28ANB18V2
25232800	SKiiP 26MLI07E3V1
25232810	SKiiP18SBS12F4V1
25232820	SKiiP28TMLI12F4V1
25232830	SKiiP29TMLI12F4V1
25232860	SKiiP12NAB12T4V10
25232930	SKiiP28BBC12F4V1
25232980	SKiiP12NAB12T4V3
25233010	SKiiP 29TMLI12V18
25235000	SKiiP 28MLI07E3V1
25236000	SKiiP 28MLI06R6V2
25238100	SKiiP 24NAB12T4V2
25238110	SKiiP25AC12T4V25
25238120	SKiiP 13GH06F4V1
25238130	SKiiP 11AC126V1

Part Number	Module description
25238140	SKiiP 12AC126V1
25238150	SKiiP 13AC126V1
25238160	SKiiP 23AC126V1
25238170	SKiiP 23AC12T4V1
25238180	SKiiP 24AC126V1
25238190	SKiiP 25AC126V1
25238200	SKiiP 26AC126V1
25238210	SKiiP 26AC12T4V1
25238230	SKiiP 28ANB18V3
25238260	SKiiP 13ACM12V17
25238280	SKiiP 13ACM12V18
25238290	SKiiP 24NAB12T4V3
25251400	SKiiP26AC12T4V3

Customer Approval Form for PCN No. PCN 17-019 Rev. 00

お客様ご承諾書

Please check the appropriate box below: 下記項目にチェックマーク(X)をつけて下さい。

- ☐ We agree with this proposed change and its schedule. 本PCNの内容に同意します。
- ☐ We have objections: 本PCNに異議があります。
(ご意見・ご要望をご記入下さい。必要であれば別紙に記入し添付して下さい。)

Sender: お客様情報

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