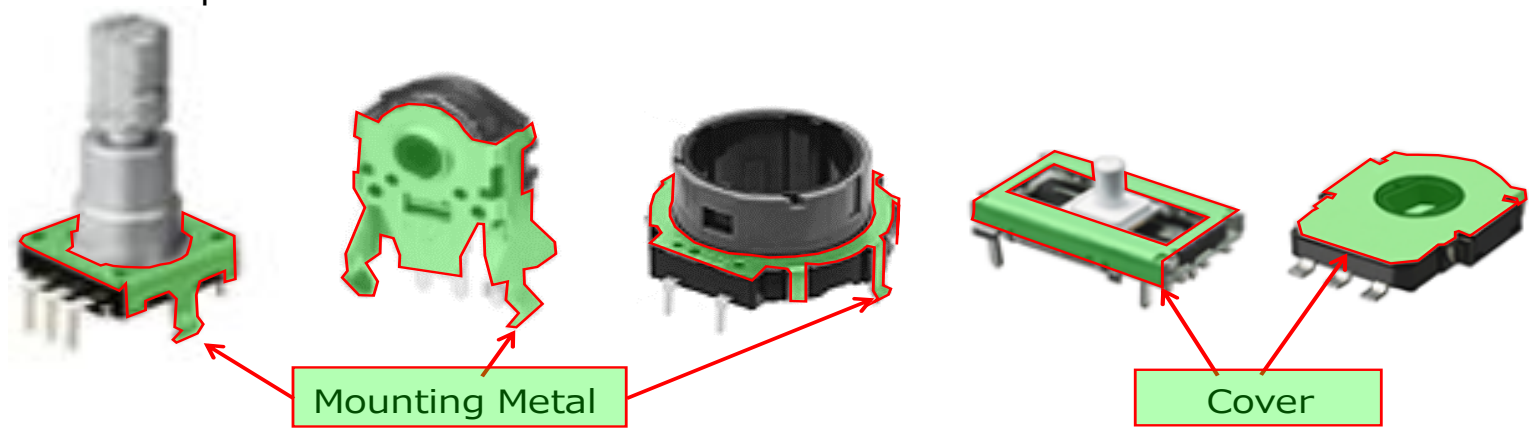


To: TTI

Changing Production	All Encoders, Rotary Potentiometers and Position Sensors				
Changing Part Number	Checking TABLE (See next Page)				
Changing Point	<p>Plating change of Steel Plate witch is used as Mounting Metals and Covers. <Parts Example></p>  <p><Detail of Changing Point> •Plating Change of Steel Plate</p> <table border="1" data-bbox="1039 925 2244 1015"> <tr> <td>CURRENT</td> <td>NEW</td> </tr> <tr> <td>Zn-Sn-Ni</td> <td>Zn</td> </tr> </table>	CURRENT	NEW	Zn-Sn-Ni	Zn
CURRENT	NEW				
Zn-Sn-Ni	Zn				
Changing Reason	Current Supplier of Steel Plate decided to stop production of Zn-Sn-Ni Plating one. As Alternative, Zn Plating is chosen because of same performance.				
Changing Request Plan	From Jan.2023				
Customer Feedback	Please feedback your agreement of changing process transition until end of May.2021				
Note	* 1st shipment after changing will be informed to each customer with order number and packing sign in advance.				

Alternative NEW Plating Solder Wettability Test

<Test Piece>

Plating: ① Current (Zn-Sn-Ni) ② NEW (Zn)

Size: 5 X 20 X 0.4mm

Pre-Treatment: 105°C 100%Rh 8H(PCT)

<Solder/Flux>

Solder: Sn-3.0Ag-0.5Cu (M705)

Flux: CF-110VH-2A

<Test Condition>

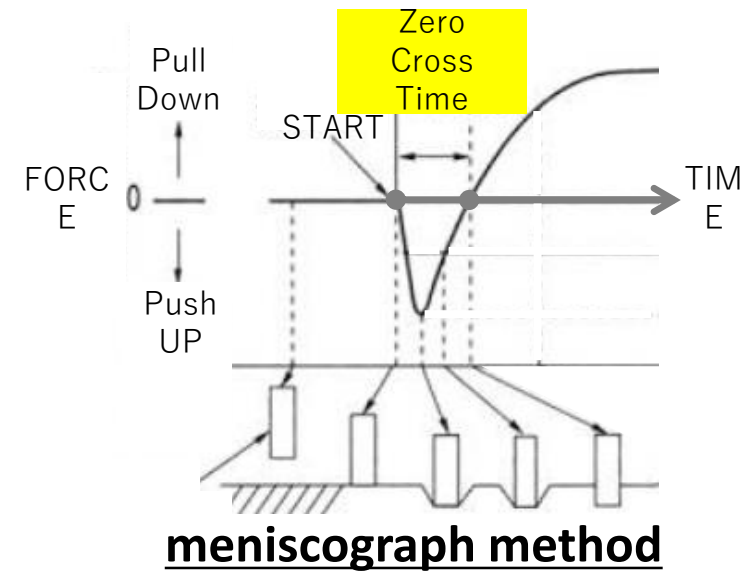
Solder Temp: 255±2°C

Dipping Speed: 5mm/s

Dipping Depth: 3mm

<Judgment criteria>

Zero Cross Time: 3s max.




<Result>

	Plating	Zero Cross Time[S]	Judgment [Spec: 3s max]
①	Current (Zn-Sn-Ni)	2.2~2.6	PASS
②	NEW (Zn)	1.6~2.0	PASS

The NEW Plating has better Zero Cross Time than current one for Solder Wettability Test

List of Affected Parts (Japan Factory)

Global Code グローバルコード 全球代码	Customer Name 貴社名 客户名称	Customer P/N 貴社製品品番 客户产品型号	Panasonic P/N 弊社製品品番 我公司产品型号
8R4EM(60986211)	TTI EUROPE(CEL)	PANEVWAEM001B14	EVWAEM001B14
		PANEVWAES001B14	EVWAES001B14
8R4DB(60986210)	TTI INC	PANEVWADF001B14	EVWADF001B14
		PANEWAE4001B14	EVWAE4001B14
		—	EVERXHPK216B
		—	EVEU01UK508B
		—	EVEU02UK516B
8R1D7(20201144)	TTI US	—	EVWAD5001B14
		—	EVWAE4001B14
		—	EVQV9C00116E

Customer Approval 貴社ご確認 客户确认状况	Panasonic Corporation Electromechanical Control Business Division		
	Approved 承認 批准	Checked 確認 确认	Prepared 作成 作成
			

List of Affected Parts (Vietnam Factory)

Global Code グローバルコード 全球代码	Customer Name 貴社名 客户名称	Customer P/N 貴社製品品番 客户产品型号	Panasonic P/N 弊社製品品番 我公司产品型号
60986210	TTI	PANEVE-U01UK508B	EVEU01UK508B
		PANEVE-U17AH516B	EVEU17AH516B
		PANEVE-U42UK516B	EVEU42UK516B
		PANEVE-UBCAH508B	EVEUBCAH508B
		PANEVE-UBCAH516B	EVEUBCAH516B
		PANEVE-UPCAH508B	EVEUPCAH508B
		PANEVE-UPCAH516B	EVEUPCAH516B
		PANEVE-YBCAJ008B	EVEYBCAJ008B
		PANEVE-YBCAJ016B	EVEYBCAJ016B
		PANEVE-YPCAJ008B	EVEYPCAJ008B
		PANEVE-YPCAJ016B	EVEYPCAJ016B
60986211	TTI/CEL	PANEVE-VKGP016B	EVEVKGP016B
20201144	TTI	EVE-RQHPK016B	EVERQHPK016B
		EVEVCGJL016B	EVE-VCGJL016B
		EVQ-V5D00309B	EVQV5D00309B
		EVQ-V5J00509B	EVQV5J00509B
		EVE-UPCAH508B	EVEUPCAH508B
		EVE-UPCAH516B	EVEUPCAH516B
		EVQ-V5B00215B	EVQV5B00215B
		EVQ-V5C00315B	EVQV5C00315B
		EVQ-V5H00415B	EVQV5H00415B

Customer Approval 貴社ご確認 客户确认状况	Panasonic Industrial Devices Vietnam Co., Ltd.		
	Approved 承認	Checked 確認	Prepared 作成
			