

Prior Consultation Notification



Issued: Sep 17, 2019

Response requested by:
Dec 31, 2020

To: ANGLIA COMPONENTS LTD
Drafting dept.
Panasonic Corporation
IS Company, EMCBD
HMI Devices BU
Function SW promotion project

Sales	Approved	Checked	In Charge

Name/No. of part	(Our product number) See attachment	Model No. or specification No. of the products where the parts are used.	
Change scheduled on	From April 2021 shipment	Scheduled production quantity	

Details of the change	Change classification (design, <u>parts/material</u> , manufacturing, inspection, test, others)
	<p>※Paper reels for packaging materials will be abolished and replaced with plastic reels</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Before</p>  </div> <div style="font-size: 2em;">→</div> <div style="text-align: center;"> <p>After</p>  </div> </div> <div style="margin-left: 20px;"> <p>2HLD (ESE31type) 2ND (ESE22type) 09HLD (ESE58type) 1HLD (ESE18type) 1HWD (ESE23type) 1VRD (ESE16type) 1VLD (ESE13type) 5ND (ESE11type)</p> <p>2WD (ESE24type) SMD (ESB33type)</p> </div> <p>※Please refer to the attachment for details.</p>

Reason for the change	Quality improvement
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Appended documents	Attachment 1: Explanation of changes (detailed explanation) Attachment 2: Drop test data
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Response Sheet

Response date: / /

Approval	Dept. Received
	/ /

We studied the content of the change requested on the above.
Our decision is below:

Accepted · Accepted with conditions · pending · Substitute draft proposal

Conditions for change implementation (or reasons for determination)

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* Form may be altered according to the needs of each manufacturing site.

Attachment 1

Function switch

Requests for changing packaging specifications (reel material)

Agenda

- 1 . Purpose of change
- 2 . The contents of change
- 3 . Applicable products
- 4 . Change point confirmation

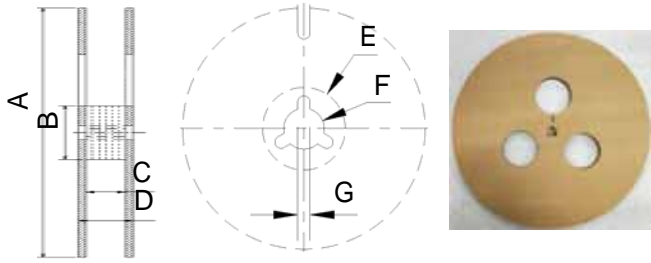
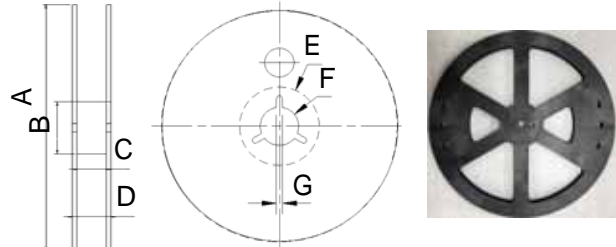

Issued date : Aug 30,2019

Drafting dept. : HMI Devices BU , Engineering 1 Department
Function switch promotion project

1. Purpose of change

For the purpose of improving quality, the paper reel, which is a packaging material, will be abolished and unified with a plastic reel.

2. The contents of change

Reel	Current specifications	Change specifications	
Material	Paper (cardboard)	PS (Polystyrene)	
Embossed tape width	16,24mm	16mm	24mm
Shape			
Color of reel	Brown	Black	White

Reel dimensions	A	B	C		D		E	F	G
	16,24mm	16,24mm	16mm	24mm	16mm	24mm	16,24mm	16,24mm	16,24mm
Current (Paper reel)	$\Phi 382 \pm 2$	$\Phi 70 \pm 2$	$\Phi 17 \pm 1.5$	$\Phi 25 \pm 2$	($\Phi 19$)	($\Phi 27$)	$\Phi 21 \pm 1$	$\Phi 13 \pm 0.5$	$\Phi 2 \pm 0.5$
Change (Plastic reel)	$\Phi 380 \pm 2$	$\Phi 80 \pm 1$	$\Phi 17.4 \pm 1$	$\Phi 25.4 \pm 1$	$\Phi 21.4 \pm 1$	$\Phi 29.4 \pm 1$	$\Phi 21 \pm 0.8$	$\Phi 13 \pm 0.2$	$\Phi 2 \pm 0.5$

※Plastic reel conforms to JEITA ET-7200C standard
 ※The above 16 mm / 24 mm indicates the embossed tape width.

3 . Applicable products

Product name	No	Product type	Product No.	Embossed tape width
Detector switch	①	09L Detector switch	ESE58****	16mm
	②	1VR Detector switch	ESE16****	
	③	1HL Detector switch	ESE18****	
	④	1VL Detector switch	ESE13****	
	⑤	1HW Detector switch	ESE23****	
	⑥	2N Detector switch	ESE22****	
	⑦	2HL Detector switch	ESE31****	
	⑧	5N Detector switch	ESE11****	
	⑨	2W Detector switch	ESE24****	24mm
Push switch	①	SMD Push switch	ESB33****	

4 . Change point confirmation

5 M1E		Presence or absence of change	Overview
Man		Absence	No worker changes
Machine		Absence	No change of assembly equipment
Material	Product	Absence	No change in materials and parts
	Packing	Presence	Reel material change for embossed tape (contents described in section 2)
Method		Absence	No change in production method
Measurement		Absence	No change of inspection machine / measurement contents
Environment		Absence	No change of equipment installation location

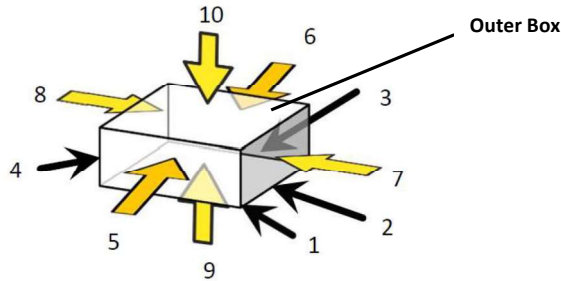
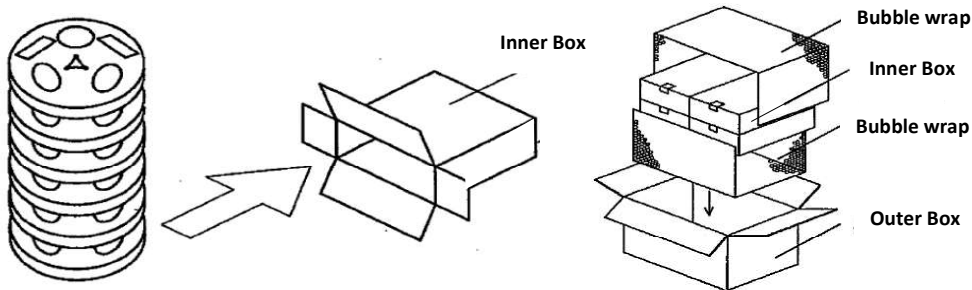
Reliability test results

- Change part Reel
- Test Item Drop test
- Test standards MIS-A-5022
- Test condition Drop height : 100cm

Number of drops : 10 times (The drop direction is according to the table below)

Table Number of drops , Drop order and drop point

Number of drops	Drop order	Drop point
10 times	1	The corner of bottom
	2	The edge of bottom and end panel.
	3	The edge of bottom and side panel.
	4	The edge of side and end panel
	5~10	All 6 panels



Number of test 3 boxes

Measurement item Appearance

Test results After the test, a part of the inner / outer box was deformed, but no abnormality was found in the reel and the product.

Photo after the test (only one representative box)

Condition of outer box after drop test	Condition of inner box after drop test	Condition of reel after drop test