

## PCN: V19-012-476103-OA

### Product Change Notice

Issue Date: 04-Nov-2019

**Change Type:**

1. Factory process change for codewheel from 3M double side tape to gluing process
2. Add double sided tape on PCB

**Parts Affected:**

Part Number	Description
AS22-M5xx-xxxx	AS22 series miniature kit encoder

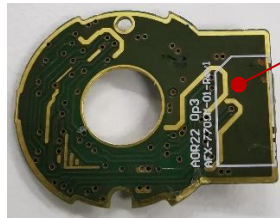
**Description and Extent of Change:**

**Before Change :**

1. Code wheel is attached to hub with double side tape without alignment
2. No double side tape on PCB



Double side tape on code wheel



No double side tape on PCB

**After Change :**

1. Reduce hub wall radius from 8.788mm to 8.2mm
2. Increase hub outer diameter from 16.4mm to 17.2mm
3. Change double side tape to glue and align code wheel to hub center
4. Add adhesive tape on the PCB

Diameter change from 8.788mm to 8.2mm

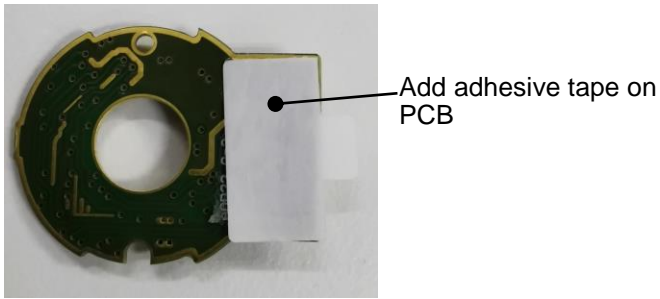


Diameter change from 16.4mm to 17.2mm

Align code wheel to hub center



Remove double side tape from CW and replace with glue

**Reasons for Change:**

1. Improve position accuracy
2. Reduce PCB movement during high vibration application

**Effect of Change on Fit, Form, Function, Quality, or Reliability:**

1. Hub outer diameter increase from 16.4mm to 17.2mm. Improve position accuracy in applications.
2. Will not affect data sheet encoding specifications
3. Will not affect product reliability

**Effective Date of Change:**

1. Product shipment using this change will commence on or around end Dec 2019

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These changes have been reviewed and approved by Broadcom engineers and managers per Broadcom procedure: Change Control and Customer Notification.

Please contact your Broadcom field sales engineer or Contact Center (<http://www.broadcom.com/contact/>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.

Part Number	Encoder Part Description
AS22-M520-5G12	Std 2 Chn TTL, 360CPR 6mm
AS22-M520-5G14	Std 2 Chn TTL, 360CPR 5mm
AS22-M520-5I01	Std 2 Chn TTL, 512CPR 2mm
AS22-M522-5I01	2 Chn TTL, Hole, 512CPR 2mm
AS22-M530-5A12	Std 2 Chn LD, 500CPR 6mm
AS22-M530-5B12	Std 2 Chn LD, 1000CPR 6mm
AS22-M530-5G12	Std 2 Chn LD, 360CPR 6mm
AS22-M530-5G14	Std 2 Chn LD, 360CPR 5mm
AS22-M530-5T12	Std 2 Chn LD, 2000CPR 6mm
AS22-M532-5A14	2 Chn LD,Hole, 500CPR 5mm
AS22-M560-4A12	Std 3 Chn TTL, 500CPR 6mm
AS22-M560-4B12	Std 3 Chn TTL, 1000CPR 6mm
AS22-M560-4B14	Std 3 Chn TTL, 1000CPR, 5mm
AS22-M560-4G12	Std 3 Chn TTL, 360CPR 6mm
AS22-M560-4G14	Std 3 Chn TTL, 360CPR 5mm
AS22-M560-4T12	Std 3 Chn TTL, 2000CPR 6mm
AS22-M562-4G12	3 Chn TTL, Hole ,360CPR 6mm
AS22-M570-4A12	Std 3 Chn LD, 500CPR 6mm
AS22-M570-4A14	Std 3 Chn LD, 500CPR 5mm
AS22-M570-4B12	Std 3 Chn LD, 1000CPR 6mm
AS22-M570-4B14	Std 3 Chn LD, 1000CPR 5mm
AS22-M570-4G12	Std 3 Chn LD, 360CPR 6mm

AS22-M570-4G14	Std 3 Chn LD, 360CPR 5mm
AS22-M570-4J12	Std 3 Chn LD, 1024CPR 6mm
AS22-M570-4J14	Std 3 Chn LD, 1024CPR 5mm
AS22-M570-4T12	Std 3 Chn LD, 2000CPR 6mm
AS22-M570-4T14	Std 3 Chn LD, 2000CPR 5mm
AS22-M570-4U12	Std 3 Chn LD, 2048CPR 6mm
AS22-M570-4U14	Std 3 Chn LD, 2048CPR 5mm
AS22-M572-4A14	3 Chn LD,Hole, 500CPR 5mm
AS22-M572-4B12	3 Ch LD, THole,1000CPR 6mm
AS22-M572-4B14	3 Chn LD, Hole, 1000CPR 5mm
AS22-M572-4G12	3 Chn LD,Hole, 360CPR 6mm