

Product Change Notice

Issue Date: 12 Nov 2014

Change Type:

Avago Technologies is qualifying an alternate scrambler and painting source for leadframe S4 and Annunciator

Parts Affected:

All S4 and Annunciator, refer below for part numbers list

Description and Extent of Change:

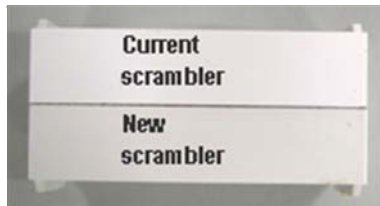
The selected new supplier shall be the alternate choice for existing painting and scrambler supplier. The new painting and scrambler will have the same functionality as the existing part

Reasons for Change:

To ensure continuous supply of all leadframe S4 and Annunciator

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

There will be no change of fit and function per product datasheet. New scrambler will have slight color tone different comparing to existing part, refer photo below:

**Effective Date of Change:**

The shipment with new scrambler will commence 90 days upon PCN issuance date. Each tube will only contain one scrambler source. There will be a mixture of both suppliers' parts within each shipment. Actual implementation by datecode will be advised later

Qualification Data:

All the qualification vehicles submitted to reliability tests passed Avago's stringent reliability test requirements. There were no functional defects observed during the reliability test.

Summary of test results as below:

HDSP-G511, HDSP-U211

Environmental/Life Test	Reference	Stress Profile	Unites Tested	Units Failed
Temperature Cycling	Avago Std	-55/100°C 15/5min Dwell/Transfer, 100cyc	231	0
High Temperature Operating Life	JESD22-A108	55°C, Max Derated Current, 1000hrs	66	0
High Temperature Humidity Storage Life	Avago Std	85°C, 85% RH, 500hrs	66	0
Solder Heat Resistance	JESD22-B106	260°C for 10s, 2x	30	0

Part number lists (including all options part)

5082-76xx	HDSP-4203	HDSP-5721-xxxxx	HDSP-A153	HDSP-F201
5082-7610-xxxxx	HDSP-4600	HDSP-5723	HDSP-A153-xxxxx	HDSP-F201-xxxxx
5082-7611	HDSP-4601	HDSP-5811	HDSP-A211	HDSP-F203
5082-7611-xxxxx	HDSP-4603	HDSP-5813	HDSP-A213	HDSP-F203-xxxxx
5082-7613	HDSP-4603-xxxxx	HDSP-7401	HDSP-A213-xxxxx	HDSP-F207
5082-7613-xxxxx	HDSP-4606	HDSP-7401-xxxxx	HDSP-A401	HDSP-F208
5082-7620	HDSP-4606-xxxxx	HDSP-7403	HDSP-A403	HDSP-F211
5082-7621	HDSP-5501	HDSP-7403-xxxxx	HDSP-A413	HDSP-F211-xxxxx
5082-7623	HDSP-5501-xxxxx	HDSP-7501	HDSP-A511	HDSP-F213
5082-7650	HDSP-5503	HDSP-7501-xxxxx	HDSP-A511-xxxxx	HDSP-F213-xxxxx
5082-7651	HDSP-5503-xxxxx	HDSP-7503	HDSP-A513	HDSP-F301
5082-7651-xxxxx	HDSP-5507	HDSP-7503-xxxxx	HDSP-A801	HDSP-F301-xxxxx
5082-7653	HDSP-5507-xxxxx	HDSP-7507	HDSP-A803	HDSP-F303
5082-7653-xxxxx	HDSP-5508	HDSP-7508	HDSP-A807	HDSP-F303-xxxxx
5082-7656	HDSP-5508-xxxxx	HDSP-7511	HDSP-A901	HDSP-F401
5082-7661	HDSP-5521	HDSP-7511-xxxxx	HDSP-A903	HDSP-F403
5082-7663	HDSP-5521-xxxxx	HDSP-7513	HDSP-A903-xxxxx	HDSP-F413
5082-7666	HDSP-5523	HDSP-7513-xxxxx	HDSP-A907	HDSP-F501
HDSP-315E	HDSP-5523-xxxxx	HDSP-7517	HDSP-A908	HDSP-F501-xxxxx
HDSP-315G	HDSP-5551	HDSP-7801	HDSP-E101	HDSP-F503
HDSP-315H	HDSP-5553	HDSP-7801-xxxxx	HDSP-E101-xxxxx	HDSP-F503-xxxxx
HDSP-315L	HDSP-5553-xxxxx	HDSP-7803	HDSP-E103	HDSP-F511
HDSP-316E	HDSP-5557	HDSP-7803-xxxxx	HDSP-E151	HDSP-F511-xxxxx
HDSP-316G	HDSP-5558	HDSP-7807	HDSP-E153	HDSP-F513
HDSP-316H	HDSP-5601	HDSP-7808	HDSP-F101	HDSP-F513-xxxxx
HDSP-316L	HDSP-5601-xxxxx	HDSP-8601	HDSP-F101-xxxxx	HDSP-H101
HDSP-316Y	HDSP-5603	HDSP-8601-xxxxx	HDSP-F103	HDSP-H101-xxxxx
HDSP-3351	HDSP-5603-xxxxx	HDSP-8603	HDSP-F103-xxxxx	HDSP-H103
HDSP-3353	HDSP-5607	HDSP-8603-xxxxx	HDSP-F107	HDSP-H103-xxxxx
HDSP-3356	HDSP-5607-xxxxx	HDSP-A101	HDSP-F108	HDSP-H107
HDSP-3600	HDSP-5608	HDSP-A101-xxxxx	HDSP-F111	HDSP-H108
HDSP-3601	HDSP-5621	HDSP-A103	HDSP-F111-xxxxx	HDSP-H111
HDSP-3603	HDSP-5621-xxxxx	HDSP-A103-xxxxx	HDSP-F113	HDSP-H111-xxxxx
HDSP-3900	HDSP-5623	HDSP-A107	HDSP-F151	HDSP-H113
HDSP-3901	HDSP-5623-xxxxx	HDSP-A107-xxxxx	HDSP-F151-xxxxx	HDSP-H151
HDSP-3901-xxxxx	HDSP-5701	HDSP-A108	HDSP-F153	HDSP-H153
HDSP-3903	HDSP-5701-xxxxx	HDSP-A111	HDSP-F153-xxxxx	HDSP-H157
HDSP-3903-xxxxx	HDSP-5703	HDSP-A113	HDSP-F157	HDSP-H158
HDSP-3905	HDSP-5703-xxxxx	HDSP-A125	HDSP-F158	HDSP-H211
HDSP-4201	HDSP-5721	HDSP-A151	HDSP-F161	HDSP-H211-xxxxx

HDSP-H213	HDSP-U301	HLCP-D100	HLMP-2785-xxxxx
HDSP-H213-xxxxx	HDSP-U303	HLCP-E100	HLMP-2800
HDSP-H413	HDSP-U311	HLCP-E100-xxxxx	HLMP-2820
HDSP-H413-xxxxx	HDSP-U313	HLCP-F100	HLMP-2820-xxxxx
HDSP-H511	HDSP-U401	HLCP-G100	HLMP-2835
HDSP-H511-xxxxx	HDSP-U403	HLCP-H100	HLMP-2855
HDSP-H513	HDSP-U411	HLCP-H100-xxxxx	HLMP-2855-xxxxx
HDSP-H513-xxxxx	HDSP-U413	HLCP-J100	HLMP-2870
HDSP-K111	HDSP-U413-xxxxx	HLMP-2300	HLMP-2870-xxxxx
HDSP-K113	HDSP-U501	HLMP-2300-xxxxx	HLMP-2885
HDSP-K121	HDSP-U501-xxxxx	HLMP-2350	HLMP-2885-xxxxx
HDSP-K123	HDSP-U503	HLMP-2350-xxxxx	HLMP-2950
HDSP-K211	HDSP-U503-xxxxx	HLMP-2366	HLMP-2965
HDSP-K211-xxxxx	HDSP-U511	HLMP-2400	QDSP-4985
HDSP-K213	HDSP-U511-xxxxx	HLMP-2400-xxxxx	QLCP-B247
HDSP-K213-xxxxx	HDSP-U513	HLMP-2450	QLCP-M096
HDSP-K511	HDSP-U513-xxxxx	HLMP-2450-xxxxx	QLMP-2976
HDSP-K511-xxxxx	QDSC-A000	HLMP-2500	
HDSP-K513	QDSP-7590	HLMP-2500-xxxxx	
HDSP-K513-xxxxx	QDSP-F140	HLMP-2516	
HDSP-N101	QDSP-K580	HLMP-2550	
HDSP-N103	QDSP-S023	HLMP-2550-xxxxx	
HDSP-N103-xxxxx	QDSP-S062	HLMP-2600	
HDSP-N105	QDSP-U221	HLMP-2620	
HDSP-N150	QDSP-U232	HLMP-2620-xxxxx	
HDSP-N151	QDSP-U239	HLMP-2635	
HDSP-N153	HDSP-4830	HLMP-2655	
HDSP-U101	HDSP-4830-xxxxx	HLMP-2655-xxxxx	
HDSP-U103	HDSP-4832	HLMP-2670	
HDSP-U111	HDSP-4836	HLMP-2685	
HDSP-U111-xxxxx	HDSP-4840	HLMP-2685-xxxxx	
HDSP-U113	HDSP-4840-xxxxx	HLMP-2700	
HDSP-U113-xxxxx	HDSP-4850	HLMP-2700-xxxxx	
HDSP-U201	HDSP-4850-xxxxx	HLMP-2720	
HDSP-U203	HLCP-A100	HLMP-2720-xxxxx	
HDSP-U203-xxxxx	HLCP-A100-xxxxx	HLMP-2735	
HDSP-U211	HLCP-B100	HLMP-2755	
HDSP-U211-xxxxx	HLCP-B100-xxxxx	HLMP-2755-xxxxx	
HDSP-U213	HLCP-C100	HLMP-2770	
HDSP-U213-xxxxx	HLCP-C100-xxxxx	HLMP-2785	