



Cypress Semiconductor Corporation, 198 Champion Court, San Jose, CA 95134. Tel: (408) 943-2600

PRODUCT INFORMATION NOTIFICATION

PIN: PIN194402

Date: November 05, 2019

Subject: Qualification of New Carrier Tape for Select QFN Packages at Cypress Philippines

Change Type: Minor

Description of Change:

Cypress has qualified an EIA standard carrier tape for select QFN packages at Cypress Philippines (CML, Gateway Business Park, SEPZA, Brgy., Javalera, General Trias, Cavite, Philippines). The new carrier tape meets the Cypress specification and demonstrates the same quality as the current carrier tape being used.

The new cover tape has the following details:

Site	Material	Supplier	Qual Report	Application
CML	Carrier Tape	KOSTAT	192907	QFN4x4, QFN5x5, QFN6x6 Packages

Package	Critical Dimension	Current: ADVANTEK / CPAK		Proposed: KOSTAT		Remarks
		Dim (mm)	Tol (mm)	Dim (mm)	Tol (mm)	
QFN 6X6mm	Tape Width (W)	16.00	0.3	16.00	0.3	Matched
	Pocket Width (Ao)	6.30	0.1	6.30	0.1	
	Pocket Length (Bo)	6.30	0.1	6.30	0.1	
	Pocket Depth (Ko)	0.80	0.1	0.80	0.1	
	Pocket Pitch	12.00	0.1	12.00	0.1	
	Sprocket hole Pitch	2.00	0.1	2.00	0.1	
	Sprocket hole Diameter	1.50	0.1	1.50	0.1	
	Center Hole Diameter	1.5min	NA	1.5min	NA	
Color	Black		Black			

Package	Critical Dimension	Current: ADVANTEK / CPAK		Proposed: KOSTAT		Remarks
QFN 5X5mm	Tape Width (W)	12.00	0.3	12.00	0.3	Matched
	Pocket Width (Ao)	5.25	0.1	5.25	0.1	
	Pocket Length (Bo)	5.25	0.1	5.25	0.1	
	Pocket Depth (Ko)	1.10	0.1	1.10	0.1	
	Pocket Pitch	8.00	0.1	8.00	0.1	
	Sprocket hole Pitch	4.00	0.1	4.00	0.1	
	Sprocket hole Diameter	1.50	0.1	1.50	0.1	
	Center Hole Diameter	1.5min	NA	1.5min	NA	
	Color	Black		Black		
QFN 4X4mm	Tape Width (W)	12.00	0.3	12.00	0.3	Matched
	Pocket Width (Ao)	4.30	0.1	4.30	0.1	
	Pocket Length (Bo)	4.30	0.1	4.30	0.1	
	Pocket Depth (Ko)	1.10	0.1	1.10	0.1	
	Pocket Pitch	8.00	0.1	8.00	0.1	
	Sprocket hole Pitch	4.00	0.1	4.00	0.1	
	Sprocket hole Diameter	1.50	0.1	1.50	0.1	
	Center Hole Diameter	1.5min	NA	1.5min	NA	
	Color	Black		Black		

No changes made to the following attributes:

- Storage: Environment 20°C - 25°C and relative humidity 50% - 75%
- Unit orientation on carrier pocket
- Carrier tape material
- Color of carrier tape
- Length and width

Benefit of Change:

This change is part of Cypress' continuous quality improvement to standardize tape and reel materials at Cypress Philippines.

Affected Parts: 514

See the attached 'Affected Parts List' file for the part number affected by this change. Note that any new parts that are introduced after the publication of this PIN will include all changes outlined in this PIN.

Qualification Status:

The new carrier tape is qualified through a series of tests detailed in the Qualification Test Plan QTP#192907. The QTP report can be found as an attachment to this notification.

Approximate Implementation Date:

This change will be effective with the date of this notification.

Response Required:

This is an information only announcement. No response is required.

For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at pcn_adm@cypress.com.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Item	Marketing Part Number	Item	Marketing Part Number
1	CY22391LTXC-06T	51	CY8C20434-12LQXIT	101	CY8C4125LQI-S432T
2	CY24292LFXCT	52	CY8C20436A-24LQXIT	102	CY8C4125LQI-S433T
3	CY24292LFXIT	53	CY8C20436AN-24LQXIT	103	CY8C4146LQI-S422T
4	CY2542QC002T	54	CY8C20437-24LQXIT	104	CY8C4146LQI-S423T
5	CY2542QFCT	55	CY8C20446A-24LQXIT	105	CY8C4146LQI-S432T
6	CY2544QC011T	56	CY8C20447-24LQXIT	106	CY8C4146LQI-S433T
7	CY2544QC013T	57	CY8C20447S-24LQXIT	107	CY8C4245LQI-483T
8	CY2544QC014T	58	CY8C20466A-24LQXIT	108	CY8CMBR2010-24LQXIT
9	CY2544QC016T	59	CY8C20467-24LQXIT	109	CY8CMBR2016-24LQXIT
10	CY2544QC023T	60	CY8C20467S-24LQXIT	110	CY8CMBR2110-24LQXIT
11	CY2544QFCT	61	CY8C20496A-24LQXIT	111	CY8CMBR3106S-LQXIT
12	CY2544QFIT	62	CY8C20636A-24LQXIT	112	CY8CTMA440-48LQIT
13	CY2545QC009T	63	CY8C20637-24LQXIT	113	CY8CTMA445-44LQIT
14	CY2545QC010T	64	CY8C20646A-24LQXIT	114	CY8CTMA445-48LQIT
15	CY2545QC020T	65	CY8C20646AS-24LQXIT	115	CY8CTMA461-48LQIT
16	CY2545QC021T	66	CY8C20647-24LQXIT	116	CY8CTMA463-44LQIT
17	CY2545QC022T	67	CY8C20647S-24LQXIT	117	CY8CTMA463-48LQIT
18	CY2545QIT	68	CY8C20666A-24LQXIT	118	CY8CTMA463-56LQIT
19	CY2547QIT	69	CY8C20666AS-24LQXIT	119	CYPD1120-40LQXIT
20	CY2548QC003T	70	CY8C20667-24LQXIT	120	CYPD1121-40LQXIT
21	CY2548QC004T	71	CY8C20667S-24LQXIT	121	CYPD1122-40LQXIT
22	CY2548QIT	72	CY8C21323-24LQXIT	122	CYPD1134-40LQXIT
23	CY7C60323-LTXCT	73	CY8C21434-24LQXIT	123	CYPD2119-24LQXIT
24	CY7C60445-32LQXCT	74	CY8C21434-24LTXIT	124	CYPD2120-24LQXIT
25	CY7C63833-LTXCT	75	CY8C21634-24LTXIT	125	CYPD2121-24LQXIT
26	CY7C64343-32LQXCT	76	CY8C23533-24LQXIT	126	CYPD2122-24LQXIT
27	CY7C64345-32LQXCT	77	CY8C4014LQI-412T	127	CYPD2125-24LQXIT
28	CY7C64346-32LQXCT	78	CY8C4014LQI-422T	128	CYPD2134-24LQXIT
29	CY7C65210-24LTXIT	79	CY8C4024LQI-S401T	129	CYPD2134-24LQXQT
30	CY7C65210A-24LTXIT	80	CY8C4024LQI-S402T	130	CYPD3120-40LQXIT
31	CY7C65211-24LTXIT	81	CY8C4024LQI-S403T	131	CYPD3121-40LQXIT
32	CY7C65211A-24LTXIT	82	CY8C4024LQI-S411T	132	CYPD3122-40LQXIT
33	CY7C65213-32LTXIT	83	CY8C4024LQI-S412T	133	CYPD3123-40LQXIT
34	CY7C65213A-32LTXIT	84	CY8C4024LQI-S413T	134	CYPD3125-40LQXIT
35	CY7C65215-32LTXIT	85	CY8C4025LQI-S401T	135	CYPD3135-32LQXQT
36	CY7C65215A-32LTXIT	86	CY8C4025LQI-S402T	136	CYPD3135-40LQXIT
37	CY7C65217-24LTXIT	87	CY8C4025LQI-S411T	137	CYPD3135-40LQXQT
38	CY7C65217A-24LTXIT	88	CY8C4025LQI-S412T	138	CYPD4125-40LQXIT
39	CY7C65219-40LQXIT	89	CY8C4045LQI-S411T	139	CYPD4126-40LQXIT
40	CY7C65221-24LTXIT	90	CY8C4045LQI-S412T	140	CYPD4225-40LQXIT
41	CY7C68003-24LQXIT	91	CY8C4124LQI-443T	141	CYPD4226-40LQXIT
42	CY8C20324-12LQXIT	92	CY8C4124LQI-S412T	142	CYPD4236-40LQXIT
43	CY8C20334-12LQXIT	93	CY8C4124LQI-S413T	143	CYPD5125-40LQXIT
44	CY8C20336A-24LQXIT	94	CY8C4124LQI-S432T	144	CYTMA445-44LQI28AAAT
45	CY8C20337-24LQXIT	95	CY8C4124LQI-S433T	145	CYTMA445-44LQI33AAAT
46	CY8C20346A-24LQXIT	96	CY8C4125LQI-483T	146	CYTMA445-44LQI33ABAT
47	CY8C20347-24LQXIT	97	CY8C4125LQI-S412T	147	CYTMA445-44LQI33ABT
48	CY8C20347S-24LQXIT	98	CY8C4125LQI-S413T	148	CYTMA445-44LQI33ACAT
49	CY8C20396A-24LQXIT	99	CY8C4125LQI-S422T	149	CYTMA445-44LQI33AEAT
50	CY8C20424-12LQXIT	100	CY8C4125LQI-S423T	150	CYTMA445-44LQI33ZZAT

Item	Marketing Part Number	Item	Marketing Part Number	Item	Marketing Part Number
151	CYTMA445-44LQI33ZZT	202	CYTT21401-44LQI28T	253	CG7605AMT
152	CYTMA445-48LQI36AAAT	203	CYTT21401-44LQI33T	254	CG7608AAT
153	CYTMA445-48LQI36ABAT	204	CYTT21401-44LQI35T	255	CG7610AMT
154	CYTMA445-48LQI36ACAT	205	CYTT21401-48LQI36T	256	CG7625AAT
155	CYTMA445-48LQI36AEAT	206	CYTT21401-56LQI40T	257	CG7662AAT
156	CYTMA445-48LQI36AET	207	CYTT21401-56LQI44T	258	CG7663AAT
157	CYTMA445-48LQI36ZZAT	208	CYTT21401-56LQI48T	259	CG7718AMT
158	CYTMA445A-44LQI28AAT	209	CYTT21402-44LQI28T	260	CG7720AMT
159	CYTMA445A-44LQI28ABT	210	CYTT21402-44LQI33T	261	CG7776AMT
160	CYTMA445A-44LQI33AAT	211	CYTT21402-44LQI35T	262	CG7787AAT
161	CYTMA445A-44LQI33ABT	212	CYTT21402-48LQI36T	263	CG7788AAT
162	CYTMA445A-44LQI35AAT	213	CYTT21402-56LQI40T	264	CG7884AAT
163	CYTMA445A-44LQI35ABT	214	CYTT21402-56LQI44T	265	CG7890AAT
164	CYTMA445A-44LQI35ACT	215	CYTT21402-56LQI48T	266	CG7891AAT
165	CYTMA445A-44LQI35AET	216	CYTT21403-44LQI35T	267	CG7911AMT
166	CYTMA445A-44LQI35ZZT	217	CYTT21403-48LQI36T	268	CG8081AMT
167	CYTMA445A-48LQI36AAT	218	CYTT21403-56LQI40T	269	CG8090AAT
168	CYTMA445A-48LQI36ABT	219	CYTT21403-56LQI44T	270	CG8136AMT
169	CYTMA445A-48LQI36ACT	220	CYTT21403-56LQI48T	271	CG8152AAT
170	CYTMA445A-48LQI36AET	221	CYTT31401-56LQI48T	272	CG8178AAT
171	CYTMA445A-48LQI36BAT	222	CYTT31702-56LQI48T	273	CG8190AMT
172	CYTMA445A-48LQI36ZZT	223	CYTT31802-56LQI48T	274	CG8328AMT
173	CYTMA448-56LQI44AAT	224	CYTT32302-56LQI48T	275	CG8333AMT
174	CYTMA448-56LQI44ABT	225	CYW20719B1KUMLGT	276	CG8349ATT
175	CYTMA448-56LQI44AET	226	CYW20721B1KUMLGT	277	CG8360AMT
176	CYTMA448-56LQI44AWT	227	CYW20730A1KML2GT	278	CG8364AMT
177	CYTMA448-56LQI44ZXT	228	CYW20730A2KML2GT	279	CG8371AAT
178	CYTMA545-44LQI33AAAT	229	CYW20732A0KML2GT	280	CG8372AMT
179	CYTMA545-44LQI33ABAT	230	CYW20736A1KML2GT	281	CG8374AFT
180	CYTMA545-48LQI36AAAT	231	CYW20737A1KML2GT	282	CG8378AAT
181	CYTMA545-48LQI36ABAT	232	CYW20930A0KML2GT	283	CG8431AAT
182	CYTMA545-48LQI36BBAT	233	CYW20930A2KML2GT	284	CG8454AMT
183	CYTMA545-48LQI36ZZAT	234	CG7272AAT	285	CG8469AMT
184	CYTMA545-48LQI36ZZT	235	CG7297AMT	286	CG8472AAT
185	CYTMA568-56LQI44AAT	236	CG7392AMT	287	CG8475AAT
186	CYTMA568-56LQI44ABT	237	CG7459AMT	288	CG8477AAT
187	CYTMA568-56LQI44ADT	238	CG7470AMT	289	CG8494AAT
188	CYTMA568-56LQI44APT	239	CG7476AFT	290	CG8496AAT
189	CYTMA568-56LQI44AWT	240	CG7479AMT	291	CG8498AAT
190	CYTMA568-56LQI44BBT	241	CG7496AAT	292	CG8504AAT
191	CYTMA568-56LQI44CBT	242	CG7497AAT	293	CG8506AAT
192	CYTMA568-56LQI44ZXT	243	CG7527AMT	294	CG8508AAT
193	CYTR21100-44LQI28T	244	CG7531AMT	295	CG8510AAT
194	CYTR-31001A-44LQI28T	245	CG7539AMT	296	CG8513AAT
195	CYTT21100-44LQI28T	246	CG7541AMT	297	CG8515AAT
196	CYTT21100-44LQI33T	247	CG7554AAT	298	CG8522AAT
197	CYTT21100-44LQI35T	248	CG7558AAT	299	CG8524AAT
198	CYTT21100-48LQI36T	249	CG7560AAT	300	CG8526AAT
199	CYTT21100-56LQI40T	250	CG7561AAT	301	CG8529AAT
200	CYTT21100-56LQI44T	251	CG7566AFT	302	CG8548AAT
201	CYTT21100-56LQI48T	252	CG7578AAT	303	CG8549AAT

Item	Marketing Part Number	Item	Marketing Part Number	Item	Marketing Part Number
304	CG8584AAT	354	CP8377ATT	404	CS7224AAT
305	CG8586AMT	355	CP8380ATT	405	CS7453ATT
306	CG8646AAT	356	CP8387ATT	406	CS8088AMT
307	CG8652AFT	357	CP8400ATT	407	CS8435AAT
308	CG8682AFT	358	CP8400BTT	408	CS8590AMT
309	CG8751AFT	359	CP8400CTT	409	CS8750AMT
310	CG8765AFT	360	CP8401ATT	410	CS8807AMT
311	CG8851AFT	361	CP8407ATT	411	TMA140-48LQI-01T
312	CG8863AFT	362	CP8412ATT	412	TMA140-LQI-01T
313	CG8871AFT	363	CP8455ATT	413	TMA140-LQI-09T
314	CP7349ATT	364	CP8456ATT	414	TMA300E-36LQXIT
315	CP7437ATT	365	CP8461ATT	415	TMA300E-48LQXIT
316	CP7463CTT	366	CP8483ATT	416	TMA340-48LQI-01T
317	CP7464ATT	367	CP8483BTT	417	TMA340-48LQI-03T
318	CP7505BTT	368	CP8483CTT	418	TMA340-48LQI-09T
319	CP7581ATT	369	CP8483DTT	419	TMA340-LQI-01T
320	CP7583ATT	370	CP8538ATT	420	TMA440-48LQIT
321	CP7669ATT	371	CP8562ATT	421	TMA445-44LQI28AAAT
322	CP7741ATT	372	CP8568ATT	422	TMA445-44LQI33AAAT
323	CP7769ATT	373	CP8570ATT	423	TMA445-44LQI33ABAT
324	CP7770BTT	374	CP8585ATT	424	TMA445-44LQI33ABT
325	CP7771BTT	375	CP8617ATT	425	TMA445-44LQI33ACAT
326	CP7862ATT	376	CP8627ATT	426	TMA445-44LQI33AEAT
327	CP7988ATT	377	CP8627BTT	427	TMA445-44LQI33ZZAT
328	CP7995ATT	378	CP8628ATT	428	TMA445-44LQI33ZZT
329	CP8007ATT	379	CP8628BTT	429	TMA445-44LQIT
330	CP8011BTT	380	CP8628CTT	430	TMA445-48LQI36AAAT
331	CP8063ATT	381	CP8642ATT	431	TMA445-48LQI36ABAT
332	CP8064ATT	382	CP8654ATT	432	TMA445-48LQI36ACAT
333	CP8068ATT	383	CP8654BTT	433	TMA445-48LQI36AEAT
334	CP8109ATT	384	CP8654CTT	434	TMA445-48LQI36AET
335	CP8112ATT	385	CP8658ATT	435	TMA445-48LQI36ZZAT
336	CP8121ATT	386	CP8659ATT	436	TMA445-48LQIT
337	CP8121BTT	387	CP8666ATT	437	TMA445A-44LQI28AAT
338	CP8125ATT	388	CP8666BTT	438	TMA445A-44LQI28ABT
339	CP8125BTT	389	CP8685ATT	439	TMA445A-44LQI33AAT
340	CP8132BTT	390	CP8686CTT	440	TMA445A-44LQI33ABT
341	CP8132CTT	391	CP8688ATT	441	TMA445A-44LQI35AAT
342	CP8132DTT	392	CP8688BTT	442	TMA445A-44LQI35ABT
343	CP8133ATT	393	CP8691ATT	443	TMA445A-44LQI35ACT
344	CP8133BTT	394	CP8742ATT	444	TMA445A-44LQI35AET
345	CP8133CTT	395	CP8754ATT	445	TMA445A-44LQI35ZZT
346	CP8133DTT	396	CP8787ATT	446	TMA445A-48LQI36AAT
347	CP8151ATT	397	CP8788ATT	447	TMA445A-48LQI36ABT
348	CP8330ATT	398	CP8814ATT	448	TMA445A-48LQI36ACT
349	CP8347ATT	399	CP8815ATT	449	TMA445A-48LQI36AET
350	CP8358ATT	400	CP8820ATT	450	TMA445A-48LQI36BAT
351	CP8363ATT	401	CP8849ATT	451	TMA445A-48LQI36ZZT
352	CP8376ETT	402	CP8864ATT	452	TMA448-56LQI44AAT
353	CP8376GTT	403	CS445AT	453	TMA448-56LQI44ABT

Item	Marketing Part Number	Item	Marketing Part Number
454	TMA448-56LQI44AET	485	TT21100-44LQI28T
455	TMA448-56LQI44AWT	486	TT21100-44LQI33T
456	TMA448-56LQI44ZXT	487	TT21100-44LQI35T
457	TMA461-48LQIT	488	TT21100-48LQI36T
458	TMA463-44LQIT	489	TT21100-56LQI40T
459	TMA463-48LQIT	490	TT21100-56LQI44T
460	TMA463-56LQIT	491	TT21100-56LQI48T
461	TMA545-44LQI33AAAT	492	TT21401-44LQI28T
462	TMA545-44LQI33ABAT	493	TT21401-44LQI33T
463	TMA545-48LQI36AAAT	494	TT21401-44LQI35T
464	TMA545-48LQI36ABAT	495	TT21401-48LQI36T
465	TMA545-48LQI36BBAT	496	TT21401-56LQI40T
466	TMA545-48LQI36ZZAT	497	TT21401-56LQI44T
467	TMA545-48LQI36ZZT	498	TT21401-56LQI48T
468	TMA562-56LQI44T	499	TT21402-44LQI28T
469	TMA562-56LQI48T	500	TT21402-44LQI33T
470	TMA568-56LQI44AAT	501	TT21402-44LQI35T
471	TMA568-56LQI44ABT	502	TT21402-48LQI36T
472	TMA568-56LQI44ADT	503	TT21402-56LQI40T
473	TMA568-56LQI44APT	504	TT21402-56LQI44T
474	TMA568-56LQI44AWT	505	TT21402-56LQI48T
475	TMA568-56LQI44BBT	506	TT21403-44LQI35T
476	TMA568-56LQI44CBT	507	TT21403-48LQI36T
477	TMA568-56LQI44ZXT	508	TT21403-56LQI40T
478	TMG200A-32LQXIT	509	TT21403-56LQI44T
479	TMG201A-32LQXIT	510	TT21403-56LQI48T
480	TMG240-LQI-01T	511	TT31401-56LQI48T
481	TST200A-24LQXIT	512	TT31702-56LQI48T
482	TST200A-32LQXIT	513	TT31802-56LQI48T
483	TST241-LQI-01T	514	TT32302-56LQI48T
484	TST242-LQI-01T		