
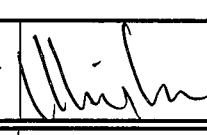

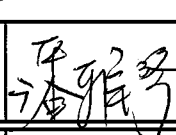




Parts & Process Change Notification (PCN)

PCN –PCF-201014-01

EC # -

Title	Oscillator ASIC Change		<input checked="" type="checkbox"/> General <input type="checkbox"/> Urgent	
Object	<input checked="" type="checkbox"/> Material change <input type="checkbox"/> Process change <input type="checkbox"/> Design change <input type="checkbox"/> Product change <input type="checkbox"/> Equipment change <input type="checkbox"/> Software change <input type="checkbox"/> Document change <input type="checkbox"/> Other		Does customer have special change requirement? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Reason for change	<input type="checkbox"/> To be connection with safety and/or legislation. <input type="checkbox"/> Qualification <input type="checkbox"/> Quality Improvement <input type="checkbox"/> Form <input type="checkbox"/> Fit <input type="checkbox"/> Function <input type="checkbox"/> Product/material end of life <input checked="" type="checkbox"/> Manufacturing Site change <input type="checkbox"/> Other _____			
<p>TXC Parts Affected :</p> <ul style="list-style-type: none"> A. SMD Crystal Oscillators B. SMD Voltage Controlled Crystal Oscillators C. SMD SAW Oscillators D. SMD KHz Crystal Oscillators <p>The detail product parts numbers that to be affected are shown in attached PN list.</p> <p>Description of Change :</p> <ol style="list-style-type: none"> 1. SMD crystal oscillator ASIC supplier, NPC, is going to stop their own Fab. production and to transfer the Fab. process to their sub-contractor. 2. Due to the process difference between NPC own Fab. and sub-contractor Fab. , ASIC circuitry layout need to be modified compared with current ASIC used. 3. TXC need to use new ASIC to replace the current ASIC on some crystal oscillator products using NPC ASIC. 4. There are two approaches for the change, still using NPC AISC made by new Fab. or using new ASIC from another maker. The approach will depends on which solution can achieve both oscillator performance and quality performance. <p>Estimated Effective Dates: Customers are advised to place last time buy orders (LTB) as follows: Last date for booking LTB : Jun 30, 2021 Last date for shipments LTB : Oct 30, 2022</p>				
Attachment	<input type="checkbox"/> No. <input checked="" type="checkbox"/> Yes: there is two(2) attachments			
QA Approval	 PM Manager	 Supervisor		Present 
Customer	Dept.	Approval Signature	Date	
Customer comment :				





Parts & Process Change Notification (PCN)

Attachment: 2

Affected product & part numbers

Product \ Size	7050			5032	3225
SMD Crystal Oscillators - CMOS Output	7W48000041	7WA5000038		7C12000100	7X20000018
	7W48000078	7WA5070003		7C33300016	7X20070003
	7W48000078	7WA5072003		7C48002003	7X20080001
	7W54000011	7WA5600004		7C54070002	7X24000014
	7WA2500013	7WA5600008		7CA0000048	
	7WA2500017	7WA5600015		7CA1202001	
	7WA2502002	7WA5600029		7CA2502001	
	7WA2502111	7WA5600047		7CA2502004	
	7WA33T0001	7WA5672002		7CA2570003	
			7CA2580002		
			7CA5670001		
			7CA5672001		
SMD Crystal Oscillators - Differential Output	BA77700001	BBA5600004	BFA2500002	CBA3300001	
	BB50070001	BBA5600009	BFA2500011	CBA3300002	
	BB50070005	BBA5600022	BFA2570002	CBA5000001	
	BBA0000001	BBA5600067	BFA2570003	CBA5000003	
	BBA0000007	BBA5630002	BFA2570004	CBA5600003	
	BBA0000013	BBA5670001	BFA3300002	CEB0090001	
	BBA0070002	BBA5670005	BFA3370003	CF78100002	
	BBA0670003	BBA5670013	BFA4800002	CF78170001	
	BBA1400001	BBA6100007	BFA5000001	CFA0000002	
	BBA2500001	BBA6800001	BFA5000004	CFA0070001	
	BBA2500009	BBA7400001	BFA5000008	CFA2500003	
	BBA2500014	BBB0000005	BFA5600002	CFA2570001	
	BBA2500021	BEB0000001	BFA5600012	CFA2570003	
	BBA2570005	BEB0070003	BFA5600018	CFA2577001	
	BBA3300007	BEB0070004	BFA5600022	CFA5000001	
	BBA3300011	BF50000001	BFA5670002	CFA5600001	
	BBA3370001	BF62570001	BFA5670004	CFA5670006	
	BBA4800003	BFA0000002	BFA5670006	CFA6100001	
	BBA5000001	BFA0000009	BFA5670007		
	BBA5000003	BFA0020001	BFB0000002		
BBA5500001	BFA0070003				
BBA5600001	BFA2500001				
SMD Voltage Controlled Crystal Oscillators (VCXO)	6U24080001	BJA5300005	BR70670001	CJA0060001	DJA2270001
	6U30702004	BJA5500005	BR80070001	CJA2200005	DJA2280001
	6U49170001	BJA5600002	BRA0000004	CJA2200006	DJA5500001
	BJ61400002	BJA5600009	BRA0070001	CJA2270001	DJB4500001
	BJ70670001	BJA5600010	BRA2200009	CJA22T0001	DR12210001
	BJ80000001	BJA5670001	BRA2200010	CJB0470001	DR38800001
	BJA2200010	BJA6000001	BRA2270004	CR25002001	DR768xxxxx
	BJA2500001	BJA6070001	BRA2500006	CR30702001	DRA0000001
	BJA2500009	BJB0477002	BRA2570001	CR98300002	DRA007xxxx
	BJA2570001			CRA0000004	DRA2200002
				DRA2200003	
				DRA2230001	



Parts & Process Change Notification (PCN)

Attachment: 2 (continued)

Affected product & part numbers

Product \ Size	7050	5032	3225		2520
SMD SAW Oscillators - Differential Output	BTA5600003 BTA5670001 BTB1200002 BTB1270001 BTB1270002 BTB1270004	CTA5670002 CTB1270001 CTB1270003			
SMD kHz Crystal Oscillators	7WZ3200001 7WZ3200002 7WZ3270002	7CZ3200001	7XZ3200002 7XZ3200003 7XZ3200005 7XZ3200011 7XZ3200013 7XZ3200015 7XZ3200017 7XZ3200018 7XZ3200020 7XZ3200021 7XZ3200023 7XZ3200024 7XZ3200033 7XZ3200035 7XZ3200040 7XZ3206002	7XZ3206003 7XZ3206004 7XZ3220002 7XZ3230001 7XZ3230003 7XZ3270003 7XZ3270011 7XZ3270012 7XZ3270013 7XZ3270018 7XZ3270019 7XZ3270026 7XZ3270027 7XZ3270028 7XZ3280002 7XZ32T0001	8WZ3200002 8WZ3200003 8WZ3200006 8WZ3200007 8WZ3200012 8WZ3200013 8WZ3200015 8WZ3200017 8WZ3200019 8WZ3200020 8WZ3202002 8WZ3210002 8WZ3230001 8WZ3230002 8WZ3270003 8WZ3270007 8WZ3270008
SMD kHz Crystal Oscillators (Automotive Parts)		ACZ3270001 ACZ3270003	AUZ3200003 AUZ3200006 AUZ3200007 AUZ3200009 AUZ3200010 AUZ3200011 AUZ3200014 AUZ3200018 AUZ3230001 AUZ3270002 AUZ3270005 AUZ3270006		AWZ3200001 AWZ3200002 AWZ3200004 AWZ3200006 AWZ3250001 AWZ3260002 AWZ3270001 AWZ3270003 AWZ3270006 AWZ3270007 AWZ3270008 AWZ3270009
SMD Crystal Oscillators - CMOS Output (Automotive Parts)		AC04000001			