## **Customer Information Form**

(SPRABZ9Œ- NOVEMBER 2015)



## **IMPORTANT NOTES**

In order for Texas Instruments (TI) to provide verification and analysis services, all information as specified in this "Customer Information Form" (CIF) is required. Incomplete, unclear and or inaccurate information may result in the delay of analysis as well as the limited depth of the analysis. Customers who do not purchase directly from TI, must first involve their distributor to resolve issues and return TI part(s) via the distribution channel in order to comply with the distributor' business & return process.

TI will not provide verification and analysis services for parts purchased through unauthorized sources (brokers, independent distributors, or 3rd party test houses) due to the uncertainties concerning product custody and the supply chain through which such parts may have been obtained. Furthermore, TI will not provide warranty coverage for any device purchased through unauthorized sources. TI is strengthening our customer return policies to help ensure our authorized supply chain is free of counterfeit and untrustworthy material. TI is committed to keeping TI products out of unauthorized channels, as well as identifying and stopping counterfeiting of TI products. We appreciate your support in helping us maintain a secure supply chain by providing all of the requested information.

Email an electronic copy of this "Customer Information Form" (CIF) to your distributor and your Texas Instruments contact. Please print a hard copy and include with the sample return shipment. The most current of the "Guidelines for adequate Customer Return Handling" apply.

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Ship to Address: This is the dedicated shipping address of the TI site doing initial verification / analysis.			
	Customer Reference/		
	Sales Order Number (S	,	
	Delivery Document Nu	mber (DN#)	
	Purchase Order Numb	er (PO#)	
0 -1	Company Name:		
Customer Contact:	Contact Person:		
Please fill in your contact information in case additional information is required for TI verification and/or to share the TI reports.	Address:		
	Phone:		
	E-Mail:		
Sales Channel:	☐ Parts were boug	nents.	
First involve the distributor as	TI Sales Contact Name		
your business partner to align	TI Sales Contact E-Mail Address:		
with the distributor return process.	☐ Parts were boug	butor.	
'	Distributor Name:		
	Distributor Site / Locati	on:	
	Distributor Contact E-M	/lail Address:	
	Distributor RMA# / SCA		
Board Manufacturer: In the case of a 3 <sup>rd</sup> party	No board manufacturer (EMSI) is used.  Yes, a Board Manufacturer (EMSI) is used.		
manufacturing the boards.	Board Manufacturer Na		
	Board Manufacturer Sit		
	Board Manufacturer E-		
	Doard Maridiacturer L-	iviali Address.	
Customer Priority: How urgent is this analysis?	Standard:	Major:	Critical:
	Manufacturing is inconvenienced Increase in field fallout Minor issue with product	Field fallout level of concern Major impact on throughput Production Stop	Prevents product shipment Unacceptable field reliability Severely impacts product

Custom	er Application:								
☐ Cor	nsumer			Computer				Auto	omotive
☐ Indi	ustrial			Avionics / Military / Space			Oth	er (please specify!)	
☐ Tele	ecom			Medical					
Custom	er Detection Pl	lace:							
☐ Inco	oming Inspection		☐ Prototype				0 kn	n / 0 hrs	
	iability / Qual Test			☐ Production / Assembly		embly		Field	d Failure [mile / km]
	Circuit Test (ICT)			System Le		est		Oth	er (please specify!)
∐ Fur	nctional Test (FCT)			Applicatio	n				
Type of						ı		_	
Electrical			Visu	al / Mechar			Shipp	_	
	nctional Issue			Carrier (T		• ,		Damaged Carton/Box	
<del></del>	ametric Issue			Pin(s) / Ba					eling
	en / Short Circuit pedance Measurem	ont		Package I		je			omplete Seal ong TI Part / Quantity
	gramming Issue	ICIIL		Solderabil	_	ue			•
L Add	litional Questionnaire!	•		Additional (	Questio	nnaire!		DOC	ument Missing
Mei	mory (RAM/Flash)		Othe	r: (please spe	ecify!)				
Dundage	Dataile								
	Details:				i				
Texas Ins	truments Part Num	iber (F	P/N):		Custo	omer Part N	lumber	· (CP	/N):
		Total Ordered		0-110					
Total Failed Quantity:			Total Ordered C Suspect Lot Tra						
Failure Rate:  Returned Quantity:				Suspect Ship Tra					
					<u> </u>	oot omp m	400 00	uo.	
	Suspect TI Part N	Markin	ıg:			Good TI P	art Ma	rking	:
	(top and backside - p			ctures, if availa	able)				attach pictures, if available)
Top Side									
Marking									
Backside Marking									
Warking									
Customer Failure Conditions:				1					
Temperat	ure [°C]	Frequ	iency	[f]	V	cc / Vdd [V]			Vout [V]

Issue Details and Description: TI needs detailed information in order to duplicate the issue on a stand-alone TI part in the lab.	
Important: Please provide schematics of the circuit along with measurement results & way	ve forms separately by email!
Failure Isolation & Application Information from the Custome	er:
What is the condition of the suspected failing TI part(s)?	☐ Sporadic
Was the observed issue verified on TI part level outside the application?	☐ Yes / ☐ No
Did replacing the suspect TI part with a new TI part resolve the issue?	☐ Yes / ☐ No
Was the suspect TI part installed onto another passing board causing that	
board to fail (A-B-A swap)? Means did the failure follow the suspect TI part?	☐ Yes / ☐ No
This is an essential part of the troubleshooting analysis. Pls ensure this has been performed!	
Is the suspect TI part used in more than one location on the circuit board?	☐ Yes / ☐ No
If yes, how many locations?	
Which locations are causing the issue?	
Is this a new application?	☐ Yes / ☐ No
When was TI part designed into this application?	
Was the application/design changed or modified recently?	☐ Yes / ☐ No
Did the same issue occur in the past?	☐ Yes / ☐ No
If ves. please provide the reference TI QTS# or National PQA#.	

Programmable Products  Is the TI part protected by a Security Key Code?	☐ Yes / ☐ No
Which Firmware Version is used?	1es/1NO
Low-Power RF (Chipcon ) Radio Products	
TI Part Register Settings?	
MSP430™ Ultra-Low Power 16-Bit Microcontrollers:	
JTAG access?	☐ Yes / ☐ No
Security fuse blown? If yes please provide the customer code!	☐ Yes / ☐ No
In case a FRAM TI part needs to be replaced on an application board the customer must be changed by the de-soldering process. Therefore it is recommended to analyze any wron application board or read out the memory content of the TI part before de-soldering.	

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In some cases, TI components may be promoted specifically to facilitate safety-related applications. With such components, TI's goal is to help enable customers to design and create their own end-product solutions that meet applicable functional safety standards and requirements. Nonetheless, such components are subject to these terms.

No TI components are authorized for use in FDA Class III (or similar life-critical medical equipment) unless authorized officers of the parties have executed a special agreement specifically governing such use.

Only those TI components which TI has specifically designated as military grade or "enhanced plastic" are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components which have *not* been so designated is solely at the Buyer's risk, and that Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components as meeting ISO/TS16949 requirements, mainly for automotive use. In any case of use of non-designated products, TI will not be responsible for any failure to meet ISO/TS16949.

Products	Applications
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