CTS — Your Partner in Smart Solutions

PRODUCT CHANGE NOTIFICATION COVERSHEET

CTS Part Number: Model ATSSM4P   **Product Description:** Crystal, Metal Can, 4-Pad, SM

Customer: Various   **Customer Part Number:** n/a

☒ **Change Notification Only - No Customer Response Required**

☐ **Customer Authorization Required - Please Confirm Acceptance by E-Mail**

Reason for PCN: End-Of-Life and Last-Time-Buy notification for Model ATSSM4P.

Description for Change: Due to limited product availability and declining market demand, CTS is announcing EOL and LTB for Model ATSSM4P crystal platform and associated part numbers.
[See following page for list of part numbers that had activity in CTS system.]

   Last Buy Date - 06/30/2017.
   Last Ship Date - 12/15/2017.

Product Substitution: For frequencies 8MHz and above, CTS recommends using Model 445 as an alternate product solution that adapts to existing attach pads for current board designs. Reference drawing showing connections to active crystal pads on following page.
Model 445 data sheet link, http://www.ctscorp.com/wp-content/uploads/445.pdf.

For frequencies less than 8MHz, CTS doesn't have a product solution that will fit on existing pads. CTS recommends modifying application boards to accept Model ATS-SM or ATSSMTS. Data sheet links;
http://www.ctscorp.com/wp-content/uploads/ATS-ATSSM.pdf,
http://www.ctscorp.com/wp-content/uploads/ATSSMTS.pdf.

Change Instructions: CTS Inside Sales Representatives/Regional Sales Managers will distribute this PCN to applicable customers, contract manufactures [CM's], franchised distributors in their territory and CTS Representatives.
[J. Metzler will send data package for customer submission.]

Implementation Date: January 2017.

CTS Contact: Associated CTS Inside Sales Representative or Regional Sales Manager.
E-Mail:
Phone:

CTS Approvals:

Engineering:	John Metzler	**Date:**	6-Jan-17
Manufacturing:	Min Ko	**Date:**	6-Jan-17
Quality Assurance:	Tao Liu	**Date:**	6-Jan-17
Product Manager:	Ronen Cohen	**Date:**	6-Jan-17

CTS Part Numbers	Product Description	Recommended Alternate
4P037F35CDT	3.686400MHz Crystal	ATS037BSM-1 *
4P037F35CET	3.686400MHz Crystal	ATS037SM-1 *
4P038F35CET	3.840000MHz Crystal	TS038F35CET *
4P040F35CDT	4.000000MHz Crystal	ATS040BSM-1 *
4P040F35CET	4.000000MHz Crystal	ATS040SM-1 *
4P040F35IDB	4.000000MHz Crystal	ATS040BSM-1E *
4P040F35IDT	4.000000MHz Crystal	ATS040BSM-1E *
4P073F35IET	7.372800MHz Crystal	ATS073SM-1E *
4P080F33CDT	8.000000MHz Crystal	445C33D08M00000
4P080F35CDT	8.000000MHz Crystal	445C35D08M00000
4P080F35CET	8.000000MHz Crystal	445C35E08M00000
4P080F35IET	8.000000MHz Crystal	445I35E08M00000
4PA80F35CDB	8.000156MHz Crystal	Consult CTS
4PA80F35IDB	8.000156MHz Crystal	Consult CTS
4P100F33CET	10.000000MHz Crystal	445C33E10M00000
4P100F35CDT	10.000000MHz Crystal	445C35D10M00000
4P111F35CET	11.059200MHz Crystal	445C33E11M05920
4P147F35IET	14.745600MHz Crystal	445I35E14M74560
4P160F35IET	16.000000MHz Crystal	445I35E16M00000
4P200F35CET	20.000000MHz Crystal	445C35E20M00000
ATSSM4P51185	8.000000MHz Crystal	Consult CTS

* Requires layout change to application board.

Alternate 2-Pad Product Placement

ATSSM4P/M445