

April 27, 2007

Lead Free and RoHS compliant Relays

Dear Customers,

Fujitsu would like to remind you that we have started producing lead-free relays as of April 2004, as was previously announced. As of October 21, 2005 cadmium in electrical contacts is exempt from the RoHS Directive. All our signal and power relays are now lead-free and RoHS compliant.

Each relay has a different effective date for lead-free status, and some relays are still lead relays. Please see below:

1. Ordering P/Ns for lead free/ RoHS compliant relays

Ordering P/Ns are not changed for lead-free relays / RoHS compliant. Please add "-LF" as a suffix to the current ordering P/N, if you must receive lead-free parts. This is a temporary P/N for this transition.

2. Transition period for each series

Please refer to next page. After this date code, relays will be lead free / RoHS compliant.

3. Lead-free / RoHS compliant relays from the beginning of production

FTR-C1, FTR-C2, FTR-G1, FTR-K1, FTR-K3, FTR-LY, FTR-MY, FTR-P6

4. Lead-free/ RoHS compliant relay exceptions

4.1 Automotive relays listed below are still lead relays. The transition period will be announced at a later time.

1) FBR51/52/53/54 2) FBR512/522 3) FTR-P1

4.2 The solid state relay series listed below are still lead relays. The transition period will be announced at a later time.

1) FTR-SN (204-207)

5. Marking

"JEDEC STANDARD" and "LF" is marked on the label of all inner and outer cartons of all lead-free relays, individual relays will not have an "LF" marking. Relays that have been lead-free since beginning of production will not have "-LF" marking (see item 3).

Transition Period by Each Series

Lead free solder: Sn3.0Ag-0.5Cu or Sn3.0CuNi (for FTR-B3/FTR-B4 series)

Telecommunication Relays

Series	Date Code*
UM1	0437T
RA	0418H
RA4	0418H
FTR-B2 (obsolete)	0430B8
A	0437B8
NA	0437B8
FTR-B3	0431B8
FTR-B4	0430B8
RY	0438B9
FBR211	0433A
FBR46	0433A
MZ	0437L2
SY	0519

Power Relays

Series	Date Code*
JS	0438B9
FTR-F3	0435R1
FTR-F3	0432R2
FTR-F3	0429R3
FTR-F3	0434R4
FTR-H1 / F1	0434R
JV	0434R
VE	0434R
JR	0434R
JS	0434R
JY	0514
NY	0439C1
LZ	0437L2
VF	0435L2
VS	0437L2
FTR-F3	0437L2
FTR-F2/H2/K2	0437L2
FTR-F4	0437L2
VB	0523
VSB	0523
FBR160	0626

Solid State Relays

Series	Date Code**
FTR-SL	6202
SE	6522
SG	6703
SJ	6703
SN (except 204-207)	6703

Automotive Relays

Series	Date Code*
FTR-P2	0623
FTR-P3	0630
FTR-P4	0624
FTR-P5	0623
FBR160	0626
FBR56/57	0627
FBR560/570	0627
FRL-270	0631

* Date code: example 0437 stands for 37th week in 2004.

** Date code: example 6202 stands for February 2nd, 2006