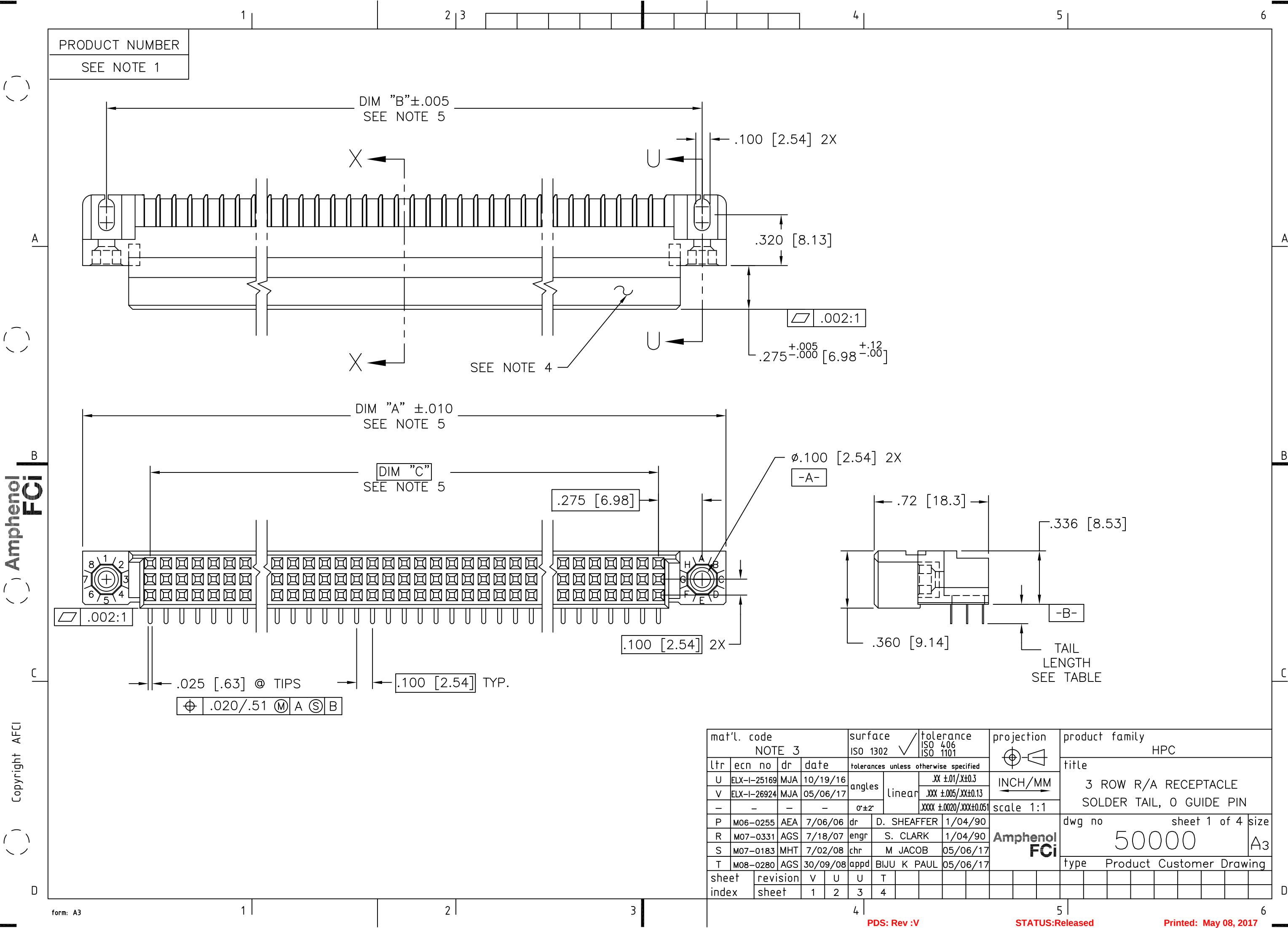
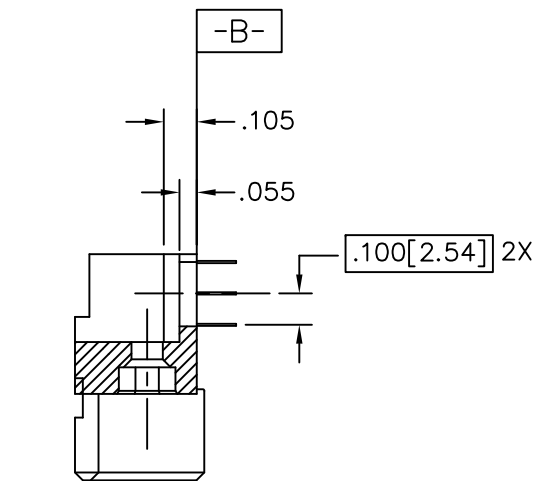


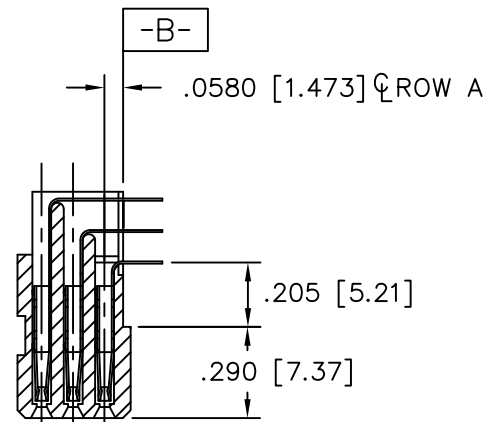


mat'l. code NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC			
ltr	ecn no	dr	date	tolerances unless otherwise specified			scale 1:1	title 3 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN			
U	ELX-I-25169	MJA	10/19/16	angles	linear	.XX ±.01/.X±0.3					
V	ELX-I-26924	MJA	05/06/17			.XXX ±.005/.XX±0.13		dwg no 50000			
-	-	-	-	σ±2'		.XXXX ±.0020/.XXX±0.051					
P	M06-0255	AEA	7/06/06	dr	D. SHEAFFER	1/04/90	Amphenol FCi	sheet 1 of 4 size A3			
R	M07-0331	AGS	7/18/07	enr	S. CLARK	1/04/90					
S	M07-0183	MHT	7/02/08	chr	M JACOB	05/06/17					
T	M08-0280	AGS	30/09/08	appd	BIJU K PAUL	05/06/17					
sheet	revision	V	U	T			type Product Customer Drawing				
index	sheet	1	2	3	4						

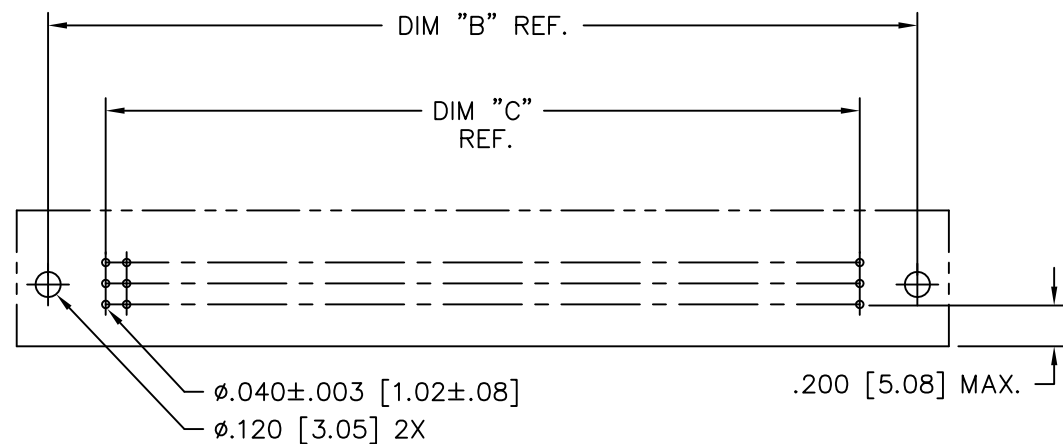
PRODUCT NUMBER
SEE TABLE



SECTION U-U



SECTION X-X



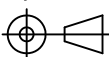
RECOMMENDED PCB LAYOUT
(ALL HOLES LOCATED ON .100 [2.54] GRID
UNLESS OTHERWISE SPECIFIED)

NOTES:

① PRODUCT NUMBERING CODE:
50000 - X YYY Z LF
LEAD FREE (OPTIONAL)
TAIL LENGTH (SEE TABLE)
NO. OF POSITIONS (SEE NOTE 2)
PLATING (SEE TABLE)
BASE NUMBER

PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:
50000 - XXYYY LF
LEAD FREE (OPTIONAL)
SEQUENCE NUMBER
ALWAYS 'XX'
BASE NUMBER

- ② THIS PRODUCT IS CONFIGURED IN SIZES OF 6 THRU 80 COLUMNS IN INCREMENTS OF ONE.
i.e.: 6,7,8,9.....79,80.
- ③ HOUSING MATERIAL: GLASS AND MINERAL FILLED THERMOPLASTIC.
FLAME RETARDANT PER UL94V-O. COLOR: BLACK
CONTACT MATERIAL: BeCu
- ④ COMPANY NAME, PART NUMBER AND LOT CODE TO APPEAR ON THIS SURFACE PER BUS-12-108.
- ⑤ LENGTH FORMULAS:
DIM A = .100/2.54 X NO. OF COLUMNS + .75/19.1
DIM B = .100/2.54 X NO. OF COLUMNS + .450/11.43
DIM C = .100/2.54 X NO. OF COLUMNS - .100/2.54
- ⑥ PRODUCT WITH "LF" SUFFIX MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
7. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑧ PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURE'S OPTION

mat'l. code NOTE 3				surface ISO 1302 ✓			tolerance ISO 406 ISO 1101			projection 			product family HPC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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PRODUCT NUMBER NOTE 1	NUMBER OF POSITIONS NOTE 2	TAIL LENGTH	SOLDER TAIL PLATING	CONTACT PLATING (NOTE 8)
50000-1YYYYE	YYY	.125±.010/3.18±0.25	TIN-LEAD	30u"/0.76um Au
50000-1YYYELF	YYY	.125±.010/3.18±0.25	TIN	30u"/0.76um Au
50000-1YYYYF	YYY	.145±.010/3.68±0.25	TIN-LEAD	30u"/0.76um Au
50000-1YYYYH	YYY	.180±.010/4.57±0.25	TIN-LEAD	30u"/0.76um Au
50000-1YYYHLF	YYY	.180±.010/4.57±0.25	TIN	30u"/0.76um Au
50000-1YYYYZ	YYY	.220±.010/5.59±0.25	TIN-LEAD	30u"/0.76um Au
50000-3YYYYE	YYY	.125±.010/3.18±0.25	TIN-LEAD	50u"/1.27um Au
50000-3YYYYF	YYY	.145±.010/3.68±0.25	TIN-LEAD	50u"/1.27um Au
50000-3YYYYH	YYY	.180±.010/4.57±0.25	TIN-LEAD	50u"/1.27um Au
50000-3YYYYZ	YYY	.220±.010/5.59±0.25	TIN-LEAD	50u"/1.25um Au
50000-5YYYYE	YYY	.125±.010/3.18±0.25	TIN-LEAD	30u"/0.76um GXT
50000-5YYYELF	YYY	.125±.010/3.18±0.25	TIN	30u"/0.76um GXT
50000-5YYYYF	YYY	.145±.010/3.68±0.25	TIN-LEAD	30u"/0.76um GXT
50000-5YYYYFLF	YYY	.145±.010/3.68±0.25	TIN	30u"/0.76um GXT
50000-5YYYYH	YYY	.180±.010/4.57±0.25	TIN-LEAD	30u"/0.76um GXT
50000-5YYYHLF	YYY	.180±.010/4.57±0.25	TIN	30u"/0.76um GXT
50000-5YYYYZ	YYY	.220±.010/5.59±0.25	TIN-LEAD	30u"/0.76um GXT
50000-5YYYYZLF	YYY	.220±.010/5.59±0.25	TIN	30u"/0.76um GXT

Amphenol
FCi

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mat'l. code NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC			
ltr	ecn	no	dr	date	tolerances unless otherwise specified		 INCH/MM		title 3 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN				
U				angles	linear								
					σ±2°	.XXX ±.005/.XX±0.13 .XXXX ±.0020/.XXX±0.051							
					dr	D. SHEAFFER	1/04/90			dwg no		sheet 3 of 4	size
					enr	S. CLARK	1/04/90			50000		A3	
					chr	M JACOB	10/19/16			type Product Customer Drawing			
					appd	BIJU K PAUL	10/19/16						
sheet index		revision sheet											

form: A3

1

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PDS: Rev :V

STATUS:Released

Printed: May 08, 2017

PRODUCT NUMBER
SEE TABLE

50000-XX001 OR 50000-XX001LF ONLY

	55			50				45				40				36	
<u>C</u>	C		C		C		C		C		C		C		C		
<u>B</u>		B		B		B		B		B		B		B		B	
<u>A</u>	A		A		A		A		A		A		A		A		

35				30				25				20				15				10				5				1								
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A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		A	

- NOTES FOR 50000-XX001 OR 50000-XX001LF ONLY:
- 1. ALL POSITIONS ARE LOADED AS SHOWN.
 - 2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL TERM. 1, AS VIEWED FROM THE MATING FACE.
 - 3. SIGNAL DATA FOR 50000-XX001 OR 50000-XX001LF
SIZE 3 X 55
TOTAL NUMBER OF POSITIONS: 165
TOTAL NUMBER OF POSITIONS LOADED: 107

ITEM KEY	QTY.	TAIL LENGTH
A	45	.180±.010/4.57±.25
B	17	.180±.010/4.57±.25
C	45	.180±.010/4.57±.25

mat'l. code NOTE 3				surface ISO 1302 ✓				tolerance ISO 406 ISO 1101				projection 				product family HPC											
ltr ecn no dr date				tolerances unless otherwise specified												title 3 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN											
T				angles		linear		.XX ±.01/.X±.03				INCH/MM ↔															
				.XXX ±.005/.XX±.013																							
				σ±2°				.XXXX ±.0020/.XXX±.0051				scale 1:1															
				dr		D. SHEAFFER		1/04/90																			
				engr		S. CLARK		1/04/90				Amphenol FCi															
				chr		S. CLARK		1/04/90																			
				appd		S. CLARK		1/04/90																			
sheet index		revision sheet														dwg no				sheet 4 of 4				size			
																50000				A3							
																type				Product Customer Drawing							

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[50000-1120E](#) [50000-1165H](#) [50000-1240H](#) [50000-1096ELF](#) [50000-5033ELF](#) [50000-5042ELF](#) [50000-5060ELF](#)
[50000-5063ELF](#) [50000-5066ELF](#) [50000-5072FLF](#) [50000-5075HLF](#) [50000-5096ELF](#) [50000-5099ELF](#) [50000-5108ELF](#)
[50000-5111ELF](#) [50000-5120ELF](#) [50000-5150FLF](#) [50000-5150HLF](#) [50000-5180FLF](#) [50000-5195ELF](#)
[50000-5225ELF](#) [50000-5018ELF](#) [50000-5039E](#) [50000-5039ELF](#) [50000-5054ELF](#) [50000-5096FLF](#) [50000-XX001LF](#)
[50000-1018E](#) [50000-1030E](#) [50000-1048E](#) [50000-1048H](#) [50000-1051E](#) [50000-1054E](#) [50000-1054H](#) [50000-1057E](#)
[50000-1060E](#) [50000-1060H](#) [50000-1069E](#) [50000-1069F](#) [50000-1072E](#) [50000-1075E](#) [50000-1090E](#) [50000-1096E](#)
[50000-1096H](#) [50000-1105E](#) [50000-1111E](#) [50000-1129E](#) [50000-1135E](#) [50000-1135H](#) [50000-1147E](#) [50000-1150E](#)
[50000-1153F](#) [50000-1180E](#) [50000-1192F](#) [50000-1225E](#) [50000-1240E](#) [50000-1252H](#) [50000-1291F](#) [50000-5030E](#)
[50000-5033E](#) [50000-5042E](#) [50000-5060E](#) [50000-5063E](#) [50000-5066E](#) [50000-5069E](#) [50000-5072F](#) [50000-5075E](#)
[50000-5075H](#) [50000-5090E](#) [50000-5096E](#) [50000-5099E](#) [50000-5108E](#) [50000-5111E](#) [50000-5120E](#) [50000-5150E](#)
[50000-5150F](#) [50000-5150H](#) [50000-5180E](#) [50000-5180F](#) [50000-5195E](#) [50000-5225E](#) [50000-1075F](#) [50000-1075H](#)
[50000-1096F](#) [50000-1099H](#) [50000-1120H](#) [50000-1180H](#) [50000-1195H](#) [50000-1225F](#) [50000-1225H](#) [50000-1240F](#)
[50000-5048ELF](#) [50000-5048HLF](#) [50000-5051ELF](#) [50000-5057ELF](#) [50000-5060HLF](#) [50000-5063K](#) [50000-5072ELF](#)
[50000-5075F](#) [50000-5075FLF](#)