

全世界二極體資料手冊

DATA
DATA
DATA



全華科技圖書公司印行

編輯大意與程序

目的

設計本書的主要目的，在於報告自由世界中，目前在二極體上的製造情形。本書也許無法百分之百提供您所需要的資料。但其主要目的為使您選擇技術上所需二極體的步驟變為簡易可行，並提供應商的資料。

技術數據的獲取

本書中的資料，皆由參與的製造廠商通力合作，提供最新技術資料，再由本刊加以編集而成，製造廠商提供該等資料，並未索取任何報酬。

JEDEC型號

在標準的1N型號中所列有關電機，機械與環境等特性，皆直接由JEDEC註冊登記發表而來，此等註冊的製造廠商藉型號對照表中製造廠商代號後的符號加以表示，一般說來JEDEC也標有各種不同廠商製造的型式，而不論是否登記，只要其規格相符即可。但也許仍有例外，不妨向各獨立製造廠商洽詢。

軍用型號

在技術欄內，軍用型號中所列的電機，機械與環境等特性，皆由合格的軍用規格與標準求得，資料來源，尤其是製造每一型式的合格廠商，係由QPL（合格零件表）中，與規定規格求得，也有由製造商的檢驗合格文件中求得者。

取代型式與共用性

本書的主要目的，雖然不是專為提供互換表而作，但由於編列安排，技術欄內所選列的特性中，特性相同或相近的型式均集中在一起，因此，若欲取代或互換零件，本書提供了最完全也最方便的技術比較。這樣，比單祇列出可以取代的型號，更好而且更安全。

價格與可用性

由於電子工業具有複雜且變化快速的特性，因此最新的價格與資料，皆需向製造廠商直接求取。書中的製造廠商表與本後頁之在美辦公室一欄將可提供此一方面的協助。

製造廠商之規格

本書包括最新製造的元件、其主要特性、圖形及製造廠商。並盡一切努力以確保其中的正確性。但，錯誤與疏漏之處，仍所難免。因此，最新的價格與完整的技術細節祇有製造廠商或其代理商方能提供。

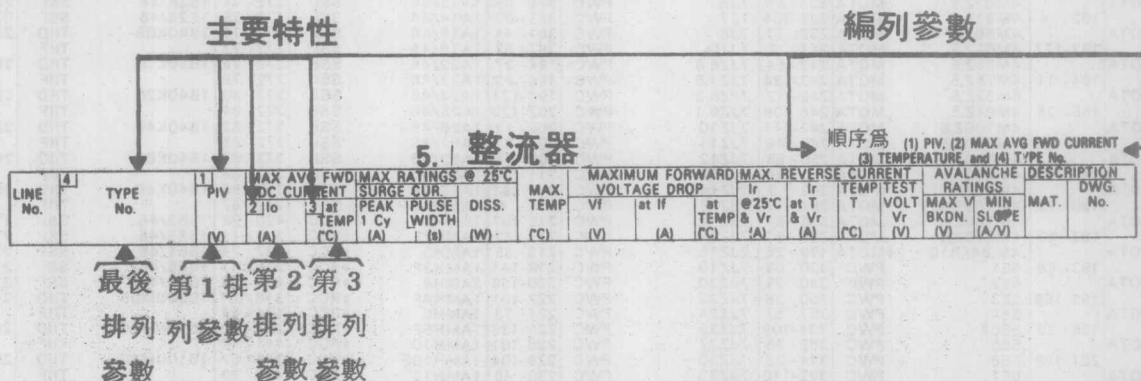
如何使本書發揮最大效用

爲使本書能發揮最大效用，請在下面方框中選擇與您自身已知－未知狀況相同的問題，再依文中的指示加以解決。

1.	已知：電機與機械方面的要求 未知：適合的型號 指示： - 翻至首頁目錄表，選擇與元件型式有關的技術數據欄。 - 翻到所選欄內的任一頁，注意每頁上角所示編列參數（亦即數據中所列各特性）。 - 應用編列參數，定出合於所求的一般性型號。（由於編列安排的關係，此等型式將成群地出現），再由此中選取最合適者。 - 如欲查明所選型號的製造廠商，請遵循下面(2)號方框中的指示進行。
2.	已知：型號 未知：製造廠商，地址與辦公室 指示： - 翻至型號對照表（第一欄）定出型號。（請參照型號對照表中，型號的編列方法）。 - 注意代表製造廠商的三或四個英文字母代號（Codes）如TII，GESY，即表不同型式的製造商代號。 - 應用書後的“製造廠商與其代號”（Manufacturers & Their Codes），查出此代號代表的廠商。 （注意：製造商在美國辦公室，均以黑字體印在表中，再由書後的一特別欄中，即可查明。）
3.	已知：型號 未知：其電氣特性及外觀圖 指示： - 翻至“型號對照表”，定出其型號。 - 注意其頁數與行數，如70-104等。 - 在技術欄內定出此型號 （注意：每一型號中與電氣及性能特性相並列的，爲其外觀圖的參考編號，其形狀可以由14欄中查出。）
4.	已知：型號 未知：可供取代的等效型號 指示： - 遵循(3)號方框的指示。 - 觀察已知型號四周各型號，以決定最適當的取代或互換。
5.	已知：軍用要求 未知：適合的型號 指示： - 遵循(1)號方框的指示，決定適合軍用要求的一般型號。再由標明有（MIL）字首中選出軍用型號。 - 如欲查明製造廠商，則請依照(6)號方框的指示。
6.	已知：軍用型號 未知：合格製造廠商，及合用的軍用規格。 指示： - 翻至13欄（美國軍用規格型式），定出型號（型號係依字母－數字順序）。 - 注意製造廠商代號，及列在型號後的詳細規格。（較一般規格詳細的規格係表列在詳細規格一行內，使元件的軍用規格得以完全）。 - 請用書後的“製造廠商及其代號（Manufacturers & Their Codes）”查出其代號。

在技術欄(Technical Section)中 型號的 編列方法——編列參數 (Sequencing Parameters)

在技術欄中，型號的安排主要係由每欄內所列的一般特性中，選擇出特別重要者，這些選出的特性即為編列參數。在每一欄中編列參數均不同，可由每一頁上角加以查明。下例即可幫助各位明瞭。



一欄內的不同型式，係由第一個編列參數，依數字或字母的順序加以表示。若有一群第一參數相同的型式，即由其第二個參數的順序來安排。此種狀況一直延續到最後一個參數為止。在每一例中，此數字即為型號本身，型號安排的最後一步是採取和型號對照表中相同的方法，如前文中所述。

注意在任一編列參數中若缺少一項均視為零，并編列在有實際數值的項之前。

第二欄與第十欄中型族 (Families of Types) 的編列方法

第2欄 矽製參考二極體

基本型號與代表不同容忍度 (Tolerance) 的字尾均表示在“型號”的那一行中。相關的容忍度則表示在容忍度一行中，或以×號表示，或以實際百分比表之，在有些情況下，必須用二行或更多行才能描述出一族或一系 (Series)。

接寫出誤差的百分比。

例

列數	型號	容忍度
1	1.5R39A.B	xxx
2	1.5Z39A.B.C	xxx
3	1N3803A.B	xxx
4	1N4479	5
5	JAN1N4479	10
6	JAN1N4972	5

例之說明 實際容忍度與型號

- 第一列: 1.5R39(20%), 1.5R39A(10%), 1.5R39B(5%)
 第二列: 1.5Z39(20%), 1.5Z39A(10%), 1.5Z39B(5%), 1.5Z39C(1%)
 第三列: 1N3803(20%), 1N3803A(10%), 1N3803B(5%)
 第四列: 1N4479(5%)
 第五列: JAN1N4479(10%)
 第六列: JAN1N4972(5%)

第10欄 電壓可變電容器與變容二極體

在本欄內可以發現兩族或兩系，其中之一係由具有相同最低截止頻率 (Min. cutoff frequency) 者所組成；另一族則由一些除電容值外均相同者所組成。在上述二種情況下編列的數值皆與基本型號有關，有時候必須用二列以上才能描述清楚。

例

列數	型號	最低截止頻率						電容範圍	
		(Corresponding to Type Numbers in previous column)						1 CAP. Cj.	2 at TEST (for V = 0 to PIV) VOLT. φ - at TEST VOLT. (V)
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(pF)	(pF)
1	PL0510A.B.F	30G	40G	50G	60G	70G	80G	250f	8.0
2	MV12A							12p	4.0

例之說明 實際容忍度與型號

- 第一列: PL0510A(30GHz), PL0510B(40GHz), PL0510C(50GHz), PL0510D(60GHz), PL0510E(70GHz), PL0510F(80GHz)
 第二列: MV12(12±2.4pf), MV12A(12±1.2pf)

TN-62
8:9

全世界二極體資料手冊

目錄

應用指南

如何應用本書之資料	iii
測量單位 (Units) 之表示方法	iv
型號 (Type Numbers) 在型號對照表 (Cross-Index) 中之編列方法	iv
型號在技術欄 (Technical Section) 中之編列方法	v
(Sequencing Parameters)	v
2 欄與 10 欄中型類之表列方法	v

型號對照表 (Type Numbers Cross-Index)

1. 所有型式	178
---------------	-----

技術數據欄 (Technical Data Section)

2. 矽製參考二極體 (Silicon Reference Diode)	179-258
3. 二極體 (Diodes)	259-270
4. 交換二極體 (Switching Diodes)	271-322
5. 整流器 (Rectifier)	323-450
6. (保留)	
7. (保留)	
8. 微波混頻二極體 (Microwave Mixer Diodes)	451-459
9. 微波視頻檢波二極體 (Microwave Video Detector Diodes)	460-463
10. 電壓可變電容器 (Voltage Variable Capacitors) 與變容二極體 (Varactor Diodes)	464-533
11. 透納二極體 (Tunnel Diode)	534-541
12. 其它各種二極體	542-585

補充欄

13. 具有美國軍用規格之型式 (包括合格之製造廠商)	586-594
14. 外觀圖 (Drawings)	595-696
15. 二極體製造廠商在美國之辦公室	697-729
16. 二極體製造廠商之代號 (Codes) 名稱 (Name) 及地址 (Address)	730-732

符號與編碼說明

參閱書後
說明

出版者 全華科技圖書公司
北市建國北路85巷9號
電話：581-1300
郵撥：100836
發行者 蕭而鄭
印刷者 永輝彩藝印製廠

1. TYPE No. CROSS INDEX

[illegible]

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
1EZ52D	•SIE	239-23	1M38Z5	•MOTA	231-185	1N23F	PII		1N38A	CRI		1N53	•ALP	458-74
1EZ110D5	•SIE	249-73	1M38Z5.10.5	•MOTA	231-186	(cont.)	•SLD		(cont.)	CSI		JAN1N53	•SLD	458-75
1EZ110D10	•SIE	249-74	1M39Z5	•MOTA	233-80	•RTCF	•THCF		CSH			1N53A	•MIC	458-76
1EZ110D5	•SIE	249-75	1M39Z5.10.5	•MOTA	234-187	SPE	•ALP	453-61	ITC			•ALP	•PII	
1EZ120D5	•SIE	250-94	1M43Z5	•MOTA	234-188	1N23G	MIC	NECJ	KEM			•SLD	SPE	
1EZ120D10	•SIE	250-95	1M43Z5.10.5	•MOTA	236-111		PHIN	PII	MISI			1N53B	•ALP	458-77
1EZ120D	•SIE	250-96	1M47Z5	•MOTA	236-112		•SLD	SPE	NJRC			•SLD	•PII	
1EZ130D5	•SIE	251-124	1M47Z5.10.5	•MOTA	238-37	1N23H	•ALP	453-62	SCE			1N53C	•SLD	458-78
1EZ130D10	•SIE	251-125	1M51Z5	•MOTA	238-38		•MIC	NECJ	STI			JAN1N53B,BM,BMR,BR	•ALP	458-79
1EZ140D5	•SIE	252-113	1M56Z5	•MOTA	239-121	1N23WD	•ALP	453-63	CEN			1N53D	•MIC	458-80
1EZ140D10	•SIE	252-114	1M56Z5.10.5	•MOTA	239-122	1N23WE	•ALP	453-64	CSH			•SLD	•PII	
1EZ140D	•SIE	252-115	1M62Z5	•MOTA	241-44		KEM	PHIN	ITC			1N54	•SST	261-106
1EZ150D5	•SIE	253-32	1M62Z5.10.5	•MOTA	241-45		NECJ	PII	•SPE			1N54A	•APX	261-107
1EZ150D10	•SIE	253-33	1M68Z5	•MOTA	242-95	JAN1N23WE,WEM,WEMR	•SPE	453-65	CSH			1N55	•CEN	266-23
1EZ150D	•SIE	253-34	1M68Z5.10.5	•MOTA	242-96	ALP	MIC	453-66	ITC			1N55A	•CEN	266-102
1EZ160D5	•SIE	254-44	1M75Z5	•MOTA	243-174		PII	453-67	CSH			1N56	•CEN	264-5
1EZ160D10	•SIE	254-45	1M75Z5.10.5	•MOTA	243-175	1N23WF	NECJ	453-68	ITC			1N57	•CEN	264-6
1EZ160D	•SIE	254-46	1M82Z5	•MOTA	245-48		PHIN	453-69	CSH			1N58	•CEN	264-96
1EZ170D5	•SIE	255-6	1M82Z5.10.5	•MOTA	246-141	1N23WG	•MIC	453-70	ITC			1N59	•CEN	268-23
1EZ170D10	•SIE	255-7	1M91Z5	•MOTA	246-142		NECJ	453-71	ITC			1N60	•CEN	261-38
1EZ170D	•SIE	255-8	1M100Z5	•MOTA	247-177	JAN1N23WG,WGM,WGMR	•SPE	453-72	ITC					
1EZ180D5	•SIE	255-91	1M100Z5.10.5	•MOTA	247-178	ALP	MIC	453-73	ITC					
1EZ180D10	•SIE	256-84	1M102Z5	•MOTA	249-77		PII	453-74	ITC					
1EZ180D	•SIE	256-85	1M102Z5.10.5	•MOTA	250-98	1N25	KEM	451-7	ITC					
1EZ190D5	•SIE	256-65	1M102Z5	•MOTA	250-99	PII	•SPE	451-8	ITC					
1EZ200D5	•SIE	256-124	1M130Z5	•MOTA	251-127	JAN1N25	•SPE	451-9	ITC					
1EZ200D10	•SIE	256-125	1M130Z5.10.5	•MOTA	251-128	1N25A	•SPE	451-10	ITC					
1EZ200D	•SIE	256-126	1M150Z5	•MOTA	253-36	PII	KEM	451-11	ITC					
1FV250	•INRB	321-34	1M150Z5.10.5	•MOTA	253-37		•SPE	451-12	ITC					
1FV250F	•INRB	321-35	1M180Z5	•MOTA	254-47	1N25B	KEM	451-13	ITC					
1FV350	•INRB	321-83	1M180Z5.10.5	•MOTA	255-92	PII	•SPE	451-14	ITC					
1FV350F	•INRB	321-84	1M200Z5	•MOTA	256-127	JAN1N25WA	•SPE	451-15	ITC					
1FV450	•INRB	322-4	1N21B	KEM	451-74	1N26	•ALP	458-60	ITC					
1FV450F	•INRB	322-5	1N21C	•MIC	451-75	•SPE	•SPE	458-61	ITC					
1GH11	TOSJ	302-7	1N21D	•MIC	451-76	1N26A	•SPE	458-62	ITC					
1GH62	TOSJ	301-49	1N21E	•MIC	451-77	•SPE	•SPE	458-63	ITC					
1GZ61	TOSJ	359-60	1N21F	•MIC	451-78	1N26B	•SPE	458-64	ITC					
1HY40	•INRI	358-3	1N21G	•MIC	451-79	•SPE	•SPE	458-65	ITC					
1HY50	•INRI	368-62	1N21H	•MIC	451-80	1N28J	•SPE	458-66	ITC					
1HY80	•INRI	387-19	1N21I	•MIC	451-81	1N31	•SPE	461-22	ITC					
1HY100	•INRI	397-52	1N21J	•MIC	451-82	PII	•SPE	461-23	ITC					
1JH11	TOSJ	306-29	1N21K	•MIC	451-83	JAN1N31	•SPE	461-24	ITC					
1JH62	TOSJ	305-74	1N21L	•MIC	451-84	1N31A	•SPE	460-62	ITC					
1JLA10	•INRJ	319-74	1N21M	•MIC	451-85	1N32	•SPE	460-63	ITC					
1JZ61	TOSJ	378-4	1N21N	•MIC	451-86	•SPE	•SPE	460-64	ITC					
1LE11	TOSJ	387-106	1N21O	•MIC	451-87	1N32A	•SPE	460-65	ITC					
1LZ61	TOSJ	388-43	1N21P	•MIC	451-88	1N34	•SPE	262-90	ITC					
1M3.3AZ10.5	•MOTA	181-108	1N21Q	•MIC	451-89	JAN1N32	•SPE	262-91	ITC					
1M3.3Z5.10.5	•MOTA	181-109	1N21R	•MIC	451-90	1N32A	•SPE	262-92	ITC					
1M3.6AZ10.5	•MOTA	182-77	1N21S	•MIC	451-91	1N34	•SPE	262-93	ITC					
1M3.6Z5.10.5	•MOTA	182-78	1N21T	•MIC	451-92	CEN	•SPE	262-94	ITC					
1M3.9AZ10.5	•MOTA	183-57	1N21U	•MIC	451-93	CSI	•SPE	262-95	ITC					
1M3.9Z5.10.5	•MOTA	183-58	1N21V	•MIC	451-94	IDC	•SPE	262-96	ITC					
1M4.3AZ10.5	•MOTA	184-102	1N21W	•MIC	451-95	KEM	•SPE	262-97	ITC					
1M4.3Z5.10.5	•MOTA	184-103	1N21X	•MIC	451-96	NECJ	•SPE	262-98	ITC					
1M4.7AZ10.5	•MOTA	185-152	1N21Y	•MIC	451-97	SES	•SPE	262-99	ITC					
1M4.7Z5.10.5	•MOTA	185-153	1N21Z	•MIC	451-98	SPE	•SPE	262-100	ITC					
1M5.1AZ10.5	•MOTA	187-28	1N22A	•MIC	451-99	STI	•SPE	262-101	ITC					
1M5.1Z5.10.5	•MOTA	187-29	1N22B	•MIC	451-100	1N34A	•SPE	262-102	ITC					
1M5.6AZ10.5	•MOTA	188-167	1N22C	•MIC	451-101	CRI	•SPE	262-103	ITC					
1M5.6Z5.10.5	•MOTA	188-168	1N22D	•MIC	451-102	CSH	•SPE	262-104	ITC					
1M6.2AZ10.5	•MOTA	191-48	1N22E	•MIC	451-103	ITC	•SPE	262-105	ITC					
1M6.2Z5.10.5	•MOTA	191-49	1N22F	•MIC	451-104	ITC	•SPE	262-106	ITC					
1M6.8AZ10.5	•MOTA	194-40	1N22G	•MIC	451-105	ITC	•SPE	262-107	ITC					
1M6.8Z5.10.5	•MOTA	194-41	1N22H	•MIC	451-106	ITC	•SPE	262-108	ITC					
1M7.5AZ10.5	•MOTA	196-105	1N22I	•MIC	451-107	ITC	•SPE	262-109	ITC					
1M7.5Z5.10.5	•MOTA	196-106	1N22J	•MIC	451-108	ITC	•SPE	262-110	ITC					
1M8.2Z5.10.5	•MOTA	198-107	1N22K	•MIC	451-109	ITC	•SPE	262-111	ITC					
1M8.2Z5.10.5	•MOTA	198-108	1N22L	•MIC	451-110	ITC	•SPE	262-112	ITC					
1M9.1Z5.10.5	•MOTA	202-134	1N22M	•MIC	451-111	ITC	•SPE	262-113	ITC					
1M9.1Z5.10.5	•MOTA	202-135	1N22N	•MIC	451-112	ITC	•SPE	262-114	ITC					
1M10Z5	•MOTA	205-28	1N22O	•MIC	451-113	ITC	•SPE	262-115	ITC					
1M10Z5.10.5	•MOTA	205-29	1N22P	•MIC	451-114	ITC	•SPE	262-116	ITC					
1M11Z5	•MOTA	207-62	1N22Q	•MIC	451-115	ITC	•SPE	262-117	ITC					
1M11Z5.10.5	•MOTA	207-63	1N22R	•MIC	451-116	ITC	•SPE	262-118	ITC					
1M12Z5	•MOTA	209-87	1N22S	•MIC	451-117	ITC	•SPE	262-119	ITC					
1M12Z5.10.5	•MOTA	209-88	1N22T	•MIC	451-118	ITC	•SPE	262-120	ITC					
1M13Z5	•MOTA	211-130	1N22U	•MIC	451-119	ITC	•SPE	262-121	ITC					
1M13Z5.10.5	•MOTA	211-131	1N22V	•MIC	451-120	ITC	•SPE	262-122	ITC					
1M15Z5	•MOTA	214-15	1N22W	•MIC	451-121	ITC	•SPE	262-123	ITC					
1M15Z5.10.5	•MOTA	214-16	1N22X	•MIC	451-122	ITC	•SPE	262-124	ITC					
1M16Z5	•MOTA	215-205	1N22Y	•MIC	451-123	ITC	•SPE	262-125	ITC					
1M16Z5.10.5	•MOTA	215-206	1N22Z	•MIC	451-124	ITC	•SPE	262-126	ITC					
1M18Z5	•MOTA	218-36	1N23A	•MIC	453-59	ITC	•SPE	262-127	ITC					
1M18Z5.10.5	•MOTA	218-37	1N23B	•MIC	453-60	ITC	•SPE	262-128	ITC					
1M20Z5	•MOTA	220-147	1N23C	•MIC	453-61	ITC	•SPE	262-129	ITC					
1M20Z5.10.5	•MOTA	220-148	1N23D	•MIC	453-62	ITC	•SPE	262-130	ITC					
1M22Z5	•MOTA	222-112	1N23E	•MIC	453-63	ITC	•SPE	262-131	ITC					
1M22Z5.10.5	•MOTA	222-113	1N23F	•MIC	453-64	ITC	•SPE	262-132	ITC					
1M24Z5	•MOTA	224-81	1N23G	•MIC	453-65	ITC	•SPE	262-133	ITC					
1M24Z5.10.5	•MOTA	224-82	1N23H	•MIC	453-66	ITC	•SPE	262-134	ITC					
1M27Z5	•MOTA	226-110	1N23I	•MIC	453-67	ITC	•SPE	262-135	ITC					
1M27Z5.10.5	•MOTA	226-111	1N23J	•MIC	453-68	ITC	•SPE	262-136	ITC					
1M30Z5	•MOTA	228-111	1N23K	•MIC	453-69	ITC	•SPE	262-137	ITC					
1M30Z5.10.5	•MOTA	228-112	1N23L	•MIC	453-70	ITC	•SPE	262-138	ITC					
1M33Z5	•MOTA	230-63	1N23M	•MIC	453-71	ITC	•SPE	262-139	ITC					
1M33Z5.10.5	•MOTA	230-64	1N23N	•MIC	453-72	ITC	•SPE	262-140	ITC					

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.			MFRS Pg&Line			TYPE No.			MFRS Pg&Line			TYPE No.			MFRS Pg&Line			TYPE No.			MFRS Pg&Line		
1N60A (cont.)			1N69A (cont.)			1N84			1N98A (cont.)			1N116A (cont.)			1N117			1N117A			1N118		
STI	UPI	261-108	CSR	ITT	260-19	CRI	CSR	260-33	SCE	SES	264-16	STM	UPI	262-104	CRI	ITT	266-8	CSR	ITT	263-45	CRI	ITT	
1N60C	CSI		KEM	MDC		ITT	DC		SCE	SPE		UPI	CEN		ITT	MDC		UPI	MDC		UPI	MDC	
MDC	SPE		NECJ	NPC		♦SLD	SST		♦SLD	SST		UPI	CSR		MDC	SCE		UPI	UPI		UPI	UPI	
	UPI		SCE	SES		♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N60S	CSI		♦SLD	SST		1N86	CRI	263-34	1N99	CRI		1N117A	CSR		1N117	UPI		1N117A	UPI		1N117	UPI	
HSC	♦NPC		SST			ITT	MDC		CRI	ITT		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
	SPE					♦SLD	SST		ITT	MDC		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N61	CEN		1N70	CRI	265-77	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
ITT	CSR		ITT	MDC		♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
MDC	KEM		1N70A	ITT		♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
♦SLD	SES		1N71	CRI	542-83	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
	SST		1N73	KEM	263-43	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N62	CSR		1N74	UPI	263-97	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
IDC	ITT		1N75	CRI	264-91	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
MDC	SES		1N76	CSR	461-25	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
♦SLD	SST		1N77	ITT	461-26	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N78	MDC	461-27	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N63	CRI		1N79	CSR	457-49	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
CRI	ITT		1N80	UPI	457-50	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
IDC	CSR		1N81	CSR	457-51	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
MDC	UPI		1N82	ITT	457-52	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
♦SLD	SST		1N83	MDC	457-53	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N84	CSR	457-54	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N63A	CRI		1N85	UPI	457-55	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
CSR	ITT		1N86	CSR	457-56	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
ITT	SES		1N87	UPI	457-57	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES	SPE		1N88	CSR	457-58	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SPE			1N89	UPI	457-59	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N90	CSR	457-60	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N64	CSI		1N91	UPI	457-61	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
IDC	CSR		1N92	CSR	457-62	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
MDC	UPI		1N93	UPI	457-63	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
NPC	ITT		1N94	CSR	457-64	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES	THCF		1N95	UPI	457-65	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
THCF			1N96	CSR	457-66	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N97	UPI	457-67	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N64A	CSI		1N98	CSR	457-68	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
IDC	CSR		1N99	UPI	457-69	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES	UPI		1N100	CSR	457-70	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES			1N101	UPI	457-71	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N102	CSR	457-72	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N64A	CSI		1N103	UPI	457-73	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
IDC	CSR		1N104	CSR	457-74	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES	UPI		1N105	UPI	457-75	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
THCF			1N106	CSR	457-76	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N107	UPI	457-77	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N65	CRI		1N108	CSR	457-78	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
CSR	ITT		1N109	UPI	457-79	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
ITT	MDC		1N110	CSR	457-80	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
MDC	NPC		1N111	UPI	457-81	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES	SES		1N112	CSR	457-82	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SPE	THCF		1N113	UPI	457-83	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N114	CSR	457-84	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N66	CRI		1N115	UPI	457-85	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
ITT	MDC		1N116	CSR	457-86	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
NPC	SES		1N117	UPI	457-87	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES	THCF		1N118	CSR	457-88	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
THCF			1N119	UPI	457-89	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N120	CSR	457-90	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N66A	CRI		1N121	UPI	457-91	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
ITT	MDC		1N122	CSR	457-92	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES	SES		1N123	UPI	457-93	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N124	CSR	457-94	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N67	CRI		1N125	UPI	457-95	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
CSR	ITT		1N126	CSR	457-96	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
ITT	MDC		1N127	UPI	457-97	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
MDC	NPC		1N128	CSR	457-98	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES	SES		1N129	UPI	457-99	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SPE	THCF		1N130	CSR	457-100	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N131	UPI	457-101	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N67A	CEN		1N132	CSR	457-102	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
CSR	ITT		1N133	UPI	457-103	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
IDC	MDC		1N134	CSR	457-104	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
KEM	UPI		1N135	UPI	457-105	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
♦NPC	SCE		1N136	CSR	457-106	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SES	SST		1N137	UPI	457-107	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
SPE	UPI		1N138	CSR	457-108	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
STI	THCF		1N139	UPI	457-109	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
			1N140	CSR	457-110	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
1N68	CRI		1N141	UPI	457-111	♦SLD	SST		♦SLD	SST		UPI	UPI		UPI	UPI		UPI	UPI		UPI	UPI	
IDC	ITT		1N142	CSR	457-112	♦SLD	SST		♦SLD	SST		UPI	UPI										

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line
1N138A (cont.)		1N198A (cont.)		1N218	AMX SCE SSI	267-85	1N234 (cont.)	1N249B (cont.)	
ITT	CODI	ITT	IDC	CODI	AMX		*SES	ITT	INRJ
SPE	SES	SCE	MDC	SCE	SCA		SPE	*MOTA	MISI
STI	UPI	*SLD	SES	SSI	SPE			SAR	NPC
1N138B	259-79	STM	SPE	1N219	AMX	268-18	AMX	*SLD	SSCF
ITT	SES	1N198B	CEN	CODI	SCA		MSC	SSI	SSCF
SPE	SSI	ITC	IDC	SCE	SPE		*SES	*THCF	TRW
STI	UPI	ITC	MDC	SSI	STI				WESY
1N139	261-87	*SLD	SES	1N220	AMX	268-59	GSE	1N249C	337-75
CRI	CEN	STM	SPE	CODI	SCA		MSC	CEN	*RCA
ITT	ITC	1N198M	STI	SCE	SPE		*SES	DPI	CSR
SES	*SLD	CSR	STI	SSI	STI		SPE	ETC	EDL
SPE	STM	SPE	STI	1N221	AMX	268-74		*GESY	FMC
1N140	264-26	1N200	CEN	CODI	SCA		AMX	IDC	IDC
CRI	CEN	CODI	UPI	SCE	SPE		MSC	INR	INR
ITT	CSR	SCA	STI	SSI	STI		SCE	INRJ	INRJ
SES	*SLD	SES	STI	1N222	AMX	268-107	GSE	*MOTA	ITT
SPE	STM	SPE	STI	CODI	SCA		SCE	SSCF	SAR
1N141	264-19	STI	STI	SSI	SPE		SLD	SSCF	SPE
CRI	CEN	1N201	AMX	1N225	AMX	201-12	SSCF	TRW	WESY
ITT	CSR	CODI	SCA	CODI	GSE			1N250	CEN
SES	MDC	SCA	SES	MSC	SCE			CRI	CSR
STM	SPE	SPE	SSI	*SES	SLD			EDL	ETC
1N142	265-63	STI	UPI	SPE	SSI			FMC	*GESY
CRI	CEN	1N202	AMX	1N225A	AMX	201-13		IDC	INR
ITT	CSR	CODI	SCA	CODI	GSE			INRJ	INRJ
SES	MDC	SCE	SES	MSC	SCE			INRJ	ITT
1N143	265-71	SPE	SSI	*SES	SPE			SAR	SES
CRI	CEN	STI	UPI	1N226	AMX	206-110		SPE	SSI
ITT	CSR	1N203	AMX	CODI	GSE			TRW	WESY
SES	MDC	CODI	SCA	MSC	SCE			1N250A	CEN
1N144	261-5	SPE	SES	*SES	SLD			CRI	CSR
CRI	CEN	STI	UPI	SPE	SSI			DPI	EDL
ITT	CSR	1N204	AMX	1N226A	AMX	206-111		ETC	FMC
SES	MDC	CODI	SCA	CODI	GSE			*GESY	IDC
1N145	261-53	SPE	SES	MSC	SCE			IDC	INR
CRI	CEN	STI	UPI	*SES	SPE			INRJ	INRJ
ITT	CSR	1N205	AMX	1N227	AMX	210-170		INRJ	ITT
SES	MDC	CODI	SCA	CODI	GSE			SAR	SES
1N149	453-69	SPE	SES	MSC	SCE			SPE	SSI
ALP	*MIC	STI	UPI	*SES	SLD			SSCF	TRW
MISI	NPC	1N206	AMX	1N227A	AMX	210-171		TRW	WESY
SPE	*SLD	CODI	SCA	CODI	GSE			1N250B	CEN
1N150	453-38	SCE	SES	MSC	SCE			CRI	CSR
KEM	*THCF	SPE	SSI	*SES	SPE			DPI	EDL
1N160	453-39	STI	UPI	1N228	AMX	215-79		ETC	FMC
KEM	*MIC	1N207	AMX	CODI	GSE			IDC	IDC
1N175	265-94	CODI	SCA	MSC	SCE			INR	INRJ
CSR	CEN	SPE	SES	*SES	SLD			INRJ	ITT
ITT	IDC	STI	UPI	SPE	SSI			ITT	MISI
*SLD	SES	1N208	AMX	1N228A	AMX	215-80		*MOTA	NPC
1N191	286-31	SPE	SES	CODI	GSE			SAR	*SLD
CRI	CEN	1N209	AMX	MSC	SCE			SPE	SSCF
IDC	CSR	CODI	SCA	*SES	SLD			SSCF	SSCF
MDC	HT	ITT	SCA	1N229	AMX	219-109		*THCF	TRW
NPC	MISI	SCE	SES	CODI	GSE			TRW	WESY
SES	SCE	STI	UPI	MSC	SCE			1N248B	CEN
SPE	*SLD	1N210	AMX	*SES	SLD			CRI	CSR
STM	THCF	CODI	SCA	1N229A	AMX	219-110		DPI	EDL
1N192	283-103	ITT	SCA	CODI	GSE			ETC	FMC
CRI	CEN	SPE	SES	MSC	SCE			IDC	IDC
IDC	CSR	STI	UPI	*SES	SPE			INR	INRJ
MDC	ITC	1N211	AMX	1N230	AMX	223-169		INRJ	ITT
NPC	MISI	CODI	SCA	GSE	MSC			INRJ	ITT
SES	SCE	ITT	SCA	*SES	SPE			*MOTA	SAR
SPE	*SLD	SCE	SES	SSI	STI			SSCF	SPE
STM	THCF	STI	UPI	1N230A	AMX	223-170		SSCF	SSCF
1N194	278-23	1N212	AMX	MSC	SCE			SSCF	SSCF
CRI	CEN	CODI	SCA	*SES	SLD			SSCF	SSCF
HSC	IDC	ITT	SCA	1N231	AMX	227-208		SSCF	SSCF
ITT	SES	SCE	SES	GSE	MSC			SSCF	SSCF
*SLD	SPE	SPE	SSI	SCE	SPE			SSCF	SSCF
1N194A	278-24	STI	UPI	SSI	STI			SSCF	SSCF
IDC	ITC	1N213	AMX	1N231A	AMX	227-209		SSCF	SSCF
SCE	SES	CODI	SCA	MSC	SCE			SSCF	SSCF
*SLD	SPE	ITT	SCA	*SES	SPE			SSCF	SSCF
1N195	278-31	SPE	SES	1N232	AMX	231-99		SSCF	SSCF
CRI	CEN	STI	UPI	GSE	MSC			SSCF	SSCF
HSC	IDC	1N214	AMX	SCE	SPE			SSCF	SSCF
ITT	SCE	CODI	SCA	SPE	SSI			SSCF	SSCF
SPE	*SLD	ITT	SCA	SSI	STI			SSCF	SSCF
1N196	278-14	SCE	SES	1N232A	AMX	231-100		SSCF	SSCF
CRI	CEN	SPE	SSI	MSC	SCE			SSCF	SSCF
HSC	IDC	1N215	AMX	*SES	SPE			SSCF	SSCF
ITT	SCE	CODI	SCA	1N233	AMX	234-113		SSCF	SSCF
SES	*SLD	ITT	SCA	GSE	MSC			SSCF	SSCF
SPE	STM	SPE	SES	SCE	SPE			SSCF	SSCF
1N198	264-8	STI	UPI	SSI	STI			SSCF	SSCF
CRI	CEN	1N216	AMX	1N233A	AMX	234-114		SSCF	SSCF
IDC	CSR	CODI	SCA	MSC	SCE			SSCF	SSCF
KEM	MDC	SCE	SES	*SES	SPE			SSCF	SSCF
MISI	NPC	SPE	SSI	1N234	AMX	237-114		SSCF	SSCF
SCE	SES	1N217	AMX	GSE	MSC			SSCF	SSCF
*SLD	SPE	CODI	SCA	cont.next col.				SSCF	SSCF
STM	THCF	ITT	SCA					SSCF	SSCF
1N198A	264-9	SPE	SES					SSCF	SSCF
CSI	CEN	STI	UPI					SSCF	SSCF
cont.next col.								SSCF	SSCF

1. TYPE No. CROSS INDEX

TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line	
1N254	CRI CSR ETC INR INRJ ITT SAR SES SPE SST	339-59	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N279 (cont.)	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-101	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N297A (cont.)	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-52	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N314 (cont.)	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N324 (cont.)	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N254	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	340-11	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N281	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	259-66	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N298	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	260-74	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N316	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N325	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N255	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	356-94	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N282	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	260-9	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N298A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	260-74	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N316A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N325A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N255	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	357-50	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N283	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	260-9	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N299	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	542-7	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N317	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N326	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N256	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	373-76	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N284	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	261-50	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N300	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	259-56	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N317A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N326A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N256	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	373-109	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N285	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	261-50	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N300A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	259-65	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N317B	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N263	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	453-70	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N286A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	261-50	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N300B	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	259-68	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N317C	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N263	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	453-71	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N287	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	261-50	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N301	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-39	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327B	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N265	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	264-11	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N288	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-53	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N301A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-44	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327C	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N265	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	264-11	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N289	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	264-20	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N301B	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-54	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318B	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327D	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N266	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	261-109	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N290	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	264-100	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N302	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	267-88	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318C	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327E	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N266	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	261-109	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N291	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	265-6	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N302A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	267-89	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318D	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327F	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N267	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	260-57	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N292	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-56	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N302B	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	267-90	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318E	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327G	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N267	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	260-57	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N293	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	264-100	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N303	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	265-90	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318F	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327H	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N268	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	260-52	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N294	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	262-97	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N303A	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	265-96	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318G	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327I	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N268	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	260-52	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N295	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	261-34	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N303B	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	265-98	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318H	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327J	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N270	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	265-25	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N296	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-56	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N304	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	262-70	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318I	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327K	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N270	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	265-25	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N297	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-56	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N305	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-7	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318J	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327L	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N273	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	265-26	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N298	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	262-97	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N306	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	259-70	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318K	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327M	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N273	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	260-104	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N299	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	262-97	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N307	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	265-101	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318L	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327N	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N276	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	281-105	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N300	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	262-98	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N308	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	259-23	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318M	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327O	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N276	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	281-105	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N301	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	262-98	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N309	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	260-81	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318N	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327P	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N277	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	289-87	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N302	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	261-34	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N310	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	264-110	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318O	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327Q	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N277	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	265-100	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N303	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	261-34	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N311	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	262-17	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318P	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327R	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N278	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	265-93	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N304	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	260-58	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N312	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-96	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318Q	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327S	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N278	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	265-14	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N305	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	264-1	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N313	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	265-3	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318R	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327T	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N279	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	262-78	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N306	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	261-35	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N314	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-96	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318S	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327U	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
JAN1N279	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	262-78	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N307	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	261-35	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N315	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	263-96	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N318T	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N327V	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID
1N279	CRI EDL GICC INRB INRJ ITT SAR SES SPE SST	260-105	CEN CSI EDL GICC INRB INRJ MAL SCN SLD SSI TIID	1N308	CRI CSR EDL GICC INRB INRJ MAL SCN SLD SSI TIID	260-59	CRI CSR EDL GICC INRB INRJ MAL								

IN TYPE NUMBER SEQUENCE

7

1. TYPE No. CROSS INDEX

TYPE No. MFRS Pg&Line			TYPE No. MFRS Pg&Line			TYPE No. MFRS Pg&Line			TYPE No. MFRS Pg&Line			TYPE No. MFRS Pg&Line		
IN TYPE NUMBER SEQUENCE														
1N430A (cont.)	INRB INRJ MSC SPE		1N443 (cont.)	INRB INRJ MSC SPE		1N455 (cont.)	SST		1N459 (cont.)	GICC ITT MSC SCE SPE STI		1N463A (cont.)	GICC HSC MDC NJRC	
JAN1N430A	none	200-75	1N443B	CSR GICC IDC INR INRJ ITT	358-38	1N456	CEN CRI EAS FSC GICC HSC ITT MDC NJRC	260-27	JAN1N459	FSC ITT	339-82	1N464	CODI CSR GICC HSC MDC NJRC	266-105
1N430B	MSC SPE	200-76												
JAN1N430B	none	200-77												
1N431	AMX SPE UPI	263-30												
1N432	ITC IDC MDC	261-46												
	SES SLD SST STI													
1N432A	ITC SES SPE	261-51												
	SLD SST													
1N432B	ITC SES SPE	277-49												
	SLD SST													
1N433	ITC SES SPE	266-12												
	SLD SST													
1N433A	ITC SES SPE	266-13												
	SLD SST													
1N433B	ITC SES SPE	292-45												
	SLD SST													
1N434	ITC SES SPE	267-3												
	SLD SST													
1N434A	ITC SES SPE	267-6												
	SLD SST													
1N434B	ITC SES SPE	293-52												
	SLD SST													
1N435	ITC SES SPE	261-31												
	SLD SST													
1N440	ITC SES SPE	330-40												
	SLD SST													
1N440B	ITC SES SPE	331-13												
	SLD SST													
1N441	ITC SES SPE	339-108												
	SLD SST													
1N441B	ITC SES SPE	340-10												
	SLD SST													
1N442	ITC SES SPE	350-17												
	SLD SST													
1N442B	ITC SES SPE	350-84												
	SLD SST													
1N443	ITC SES SPE	357-32												
	SLD SST													
cont.next col.			cont.next col.			cont.next col.			cont.next col.			cont.next page		

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
1N468A (cont.)	INR INRI INRJ SCA SES SPE		1N474B (cont.)	CODI SCE SPE		1N483A (cont.)	SLD SST TIIB TIIF TSC		1N485B (cont.)	SSI TIIB TIID TRW		1N498 (cont.)	ITT SCE SLD SST	
1N468B	CODI INR INRI SCA	186-72	1N475	CODI IDC SCE SLD SSI	195-97	1N483AM 1N483B	APD CODI FSC GICC ITT MISI NJRC SCE SPE THCF	264-27 264-28	JAN1N485B 1N485C 1N486	GIC FSC TEC TRW ITT SCE CEN CRI ETC GIC HSC IDC MDC NJRC SCE SPE SSI TRW	267-34 267-8 267-93	1N499	CRI IDC MDC SES SST UPI	263-24
1N469	CODI INR INRI SCA SES SPE SST	189-108	1N475A	CODI IDC SCE SPE	195-98							1N500	CRI CSR IDC ITT SCE SLD SST	263-61
1N469A	CODI INR INRI SCA SES SPE	189-101	1N475B	CODI IDC SCE SPE	195-99							1N501	CRI CSR IDC ITT SCE SLD SST	264-75
1N469B	CODI INR INRI SCA SPE	189-102	1N476	CRI ITT SES SPE	264-58	JAN1N483B 1N483C	GIC SES	264-29 264-30 263-60	1N486A	CODI CSR FSC GICC IDC MDC NJRC SCE SPE SSI TSC	267-91	1N502	CRI CSR MDC SLD	265-72
1N470	CODI INR INRI SCA SES SPE SST	195-102	1N477	CRI ITT SLD	264-59	1N484	CEN CRI ETC GIC HSC IDC MDC NJRC SCE SPE SSI THCF	266-4	1N486B	CODI ETC GIC HSC MDC NJRC SCE SPE SSI TSC	268-5	1N527	CRI IDC SES SST	259-27
1N470A	CODI INR INRI SCA SES SPE	195-95	1N478	CRI ITT SES SPE	264-64							1N530	CRI ETC IDC INRJ INRI SCN SLD	330-37
1N470B	CODI INR INRI SCA SPE	195-96	1N479	CRI ITT SLD	264-65							1N531	CRI CSR GICC IDC INRJ INRI SCN SLD	339-105
1N471	CODI SCE SLD SSI	181-189	1N480	CRI IDC MDC SLD	283-34	1N484A	ALGG CODI ETC GIC HSC IDC MDC NJRC SCE SPE SSI THCF	266-1	1N487	CODI CSR ETC GIC HSC IDC MDC NJRC SCE SPE SSI	268-6 268-30	1N532	CRI CSR GICC IDC INRJ INRI SCN SLD	350-13
1N471A	CODI SCE SPE	181-26	1N482	CEN CSI ETC GIC HSC IDC MDC NJRC SCE SPE SSI THCF	261-24	1N484B	CEN CSR FSC GICC IDC MDC MISI NJRC SCE SPE SSI THCF	266-2	1N487A	CODI ETC GICC IDC MDC NJRC SCE SSI	268-27	1N533	CRI CSR GICC IDC INRJ INRI SCN SLD	357-29
1N471B	CODI SPE	181-190	1N482A	CEN CSR FSC GICC IDC MDC NJRC SCE SPE SSI THCF	261-21	1N484C	MISI SES	266-3	1N487B	CODI MSC SCE	268-28	1N534	CRI ETC IDC INRJ INRI SCN SLD	368-9
1N472	CODI SCE SLD SSI	183-188	1N482B	CODI ETC GIC HSC IDC MDC NJRC SCE SPE SSI THCF	261-22	1N485	CEN CRI ETC GIC HSC IDC MDC NJRC SCE SPE SSI THCF	267-10	1N488	CODI CSR GIC HSC IDC MDC NJRC SCE SSI	268-73	1N535	CRI CSR GICC IDC INRJ INRI SCN SLD	374-6
1N472A	CODI SCE SPE	183-189	1N482C	CODI ETC GIC HSC IDC MDC NJRC SCE SPE SSI THCF	261-23	1N485A	CODI CSR ETC GIC HSC IDC MDC NJRC SCE SPE SSI THCF	267-7	1N488A	CODI ETC GICC IDC MDC NJRC SCE SSI	268-71	1N537	CRI CSR GICC IDC INRJ INRI SCN SLD	325-29
1N472B	CODI SPE	183-190	1N483	CEN CSR FSC GICC IDC MDC NJRC SCE SPE SSI THCF	263-71	1N485B	CRI ETC GIC HSC IDC MDC NJRC SCE SPE SSI THCF	267-33	1N488B	ETC NJRC SES	268-72			
1N473	CODI MSC SES SPE SST	186-84	1N483A	CEN CSR FSC GICC IDC MDC NJRC SCE SPE SSI THCF	263-59									
1N473A	CODI MSC SES SPE SST	186-73												
1N473B	CODI SCE SSI	186-85												
1N474	CODI SCE SLD SSI	189-103												
1N474A	CODI SCE SPE	189-104												

1. TYPE No. CROSS INDEX

TYPE No. MFRS Pg&Line			TYPE No. MFRS Pg&Line			TYPE No. MFRS Pg&Line			TYPE No. MFRS Pg&Line			TYPE No. MFRS Pg&Line			TYPE No. MFRS Pg&Line		
IN TYPE NUMBER SEQUENCE																	
1N537 (cont.) SES SPE TIID			1N553 CEN EDL GICC INR INRJ ITT SCN SES SSI TIID	357-82		1N598 CEN CRI IDC INRJ ITT SSI	373-94		1N603 (cont.) INRJ ITT SAR SES SST TIID			1N608 (cont.) SLS SST			1N608A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	331-43	
1N538 CRI CSR ETC IDC INR INRJ ITT RCA SCN SLS SST TIID	340-91		1N554 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	368-45		1N599 CEN CRI IDC INRJ ITT SSI	386-65		1N603A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	350-19		1N609 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	338-19		1N609A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	338-20	
JAN1N538 1N539 CRI CSR GICC IDC INR INRJ ITT RCA SCN SLS SST TIID	348-73 350-85		1N555 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	374-46		1N599A CEN CRI IDC INRJ ITT SSI	324-78		1N604 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	357-33		1N610 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	341-17		1N610A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	341-18	
1N540 CRI CSR ETC IDC INR INRJ ITT RCA SCN SLS SST TIID	358-39		1N560 CEN EDL GICC INR INRJ ITT SCN SES SSI TIID	386-80		1N600 CEN CRI IDC INRJ ITT SSI	330-41		1N604A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	357-34		1N611 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	351-1		1N611A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	351-2	
JAN1N540 1N541 CRI IDC MDC NPC SPE	367-43 260-45		JAN1N560 1N561 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	387-24 397-7		1N600A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	330-42		1N605 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	368-14		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
1N542 CSR MDC NPC SPE	260-46		1N562 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	397-55 386-90		1N601 CEN CRI IDC INRJ ITT SSI	338-1		1N605A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	368-15		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
1N543 CRI EDL GICC INR INRJ ITT RCA SCN SLS SST TIID	405-37		1N563 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	397-17		1N601A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	338-2		1N606 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	374-10		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
1N543A EDL	405-38		1N566 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	268-22 265-103		1N602 CEN CRI IDC INRJ ITT SSI	339-109		1N606A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	374-11		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
1N547 CRI CSR ETC IDC INR INRJ ITT RCA SCN SLS SST TIID	374-96		1N567 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	261-104		1N602A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	339-110		1N607 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	325-45		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
JAN1N547 1N548 CRI IDC MDC NPC SPE	386-5 394-42		1N568 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	260-37		1N603 CEN CRI IDC INRJ ITT SSI	350-18		1N608 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	331-42		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
1N549 CRI IDC MDC NPC SPE	405-59		1N570 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	414-10		1N603A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	339-110		1N608 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	331-42		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
1N550 CRI EDL GICC INR INRJ ITT RCA SCN SLS SST TIID	330-82		1N571 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	273-90		1N603A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	339-110		1N608 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	331-42		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
1N551 CRI EDL GICC INR INRJ ITT RCA SCN SLS SST TIID	340-38		1N572 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	413-57		1N603A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	339-110		1N608 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	331-42		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
1N552 CRI EDL GICC INR INRJ ITT RCA SCN SLS SST TIID	350-43		1N573 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	413-75		1N603A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	339-110		1N608 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	331-42		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
			1N574 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	413-38		1N603A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	339-110		1N608 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	331-42		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	
			1N575 CRI EDL GICC INR INRJ ITT SCN SES SSI TIID	413-39		1N603A CEN CSR GICC INR INRJ ITT SAR SES SST TIID	339-110		1N608 CEN CSR GICC INR INRJ ITT SAR SES SST TIID	331-42		1N612 CEN CSR ETC INR INRJ ITT SAR SES SSI SST	358-78		1N612A CEN EDL GICC INR INRJ ITT SAR SES SSI SST	358-79	

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
1N613 (cont.)	SLD SSI TIID TIIF		1N627A (cont.)	IDC SES SST		1N645A (cont.)	CEN CODI EDL GDC GICC SPE STI TIID		1N660 (cont.)	CEN CRI ESI FSC ITT NJRC SPE STM TIIB TIIF TSC		1N675	IDC SES	
1N613A	CEN EDL GICC INRJ ITT SAR SES SSI TIID	369-2	1N628	CRI FSC IDC MDC SCE SPE TIIF TIID TRW	293-38	1N645B	CSR IDC	257-95	JAN1N660	HSC ITT SCE	289-91 289-92	1N676	CEN CSR FSC GICC ITT NJRC SPE TRW	330-12
1N614	CEN CSP ETC IDC INRJ ITT SAR SES SPE SST	375-22	1N628A	CSR ITT	292-32	1N646	CEN CRI EDL GICC ITT MSC SPE SST THCF TIIB TIIF	350-20	1N661	CEN CSR FSC ITT NJRC SPE STI TIID TRW	295-73	1N677	CEN CSR GICC ITT SES	330-43
1N614A	CEN EDL GICC INRJ ITT SAR SES SPE SST	375-23	1N629	CRI FSC IDC MDC SCE SPE TIIF TIID TRW	298-55	1N647	CEN CRI EDL ETC GICC ITT MSC SPE SST THCF TIIB TIIF	357-37	JAN1N661	CEN CSR HSC MDC NJRC SPE STI TIID TRW	295-74 295-75	1N678	CRI ETC GIC ITT NJRC SPE TRW	339-79
1N616	CRI ITT SES SST	260-60	1N629A	CSR ITT	293-51	JAN1N647-1	ITT SET	367-44	1N662	CEN CSR HSC MDC NJRC SPE STI TIID TRW	285-104	1N679	CRI ETC GICC MDC SSI	340-2
1N617	CRI ITT SES SPE	264-60	1N630	MIC TSC	460-79	1N648	CEN CRI EDL GICC ITT MSC SPE SST THCF TIIB TIID	368-17	1N663	CEN CSR HSC MDC NJRC SPE STI TIID TRW	289-93	1N681	CSR GIC IDC MDC SSI	349-96
1N618	CEN CSR MDC SLD	264-66	1N631	CRI IDC MDC SES	283-22	1N649	CEN CRI EDL GICC ITT MSC SPE SST THCF TIIB TIID	374-13	1N664	CEN CSR HSC MDC NJRC SPE STI TIID TRW	289-94	1N682	CSR GIC IDC MDC SSI	349-102
1N619	CEN CSR FSC IDC SCE	260-55	1N632	CRI IDC MDC SES	283-23	JAN1N649-1	ITT SET	386-6	1N665	CEN CSR HSC MDC NJRC SPE STI TIID TRW	289-95 198-75	1N683	CSR GIC IDC MDC SSI	356-101
1N622	FSC SES	266-25	1N633	IDC MDC SES	286-29	1N650	CRI ETC HSC ITT MSC SPE SST THCF TIIB TIID	291-86	1N666	CEN CSR HSC MDC NJRC SPE STI TIID TRW	213-134	1N684	CSR GIC IDC MDC SSI	357-3
1N625	CRI ESI HSC ITT NECJ NPC SES SPE STI TIIF TIID TRW	276-93	1N634	CRI IDC MDC SES	265-99	JAN1N650	CRI ETC HSC ITT MSC SPE SST THCF TIIB TIID	386-7	1N667	CEN CSR HSC MDC NJRC SPE STI TIID TRW	217-152	1N685	CSR GIC IDC MDC SSI	367-87
1N625A	CSR ITT SLD STI	274-81	1N635	IDC SCE	266-110	1N651	CRI ETC HSC ITT MSC SPE SST THCF TIIB TIID	289-88 291-87	1N668	CEN CSR HSC MDC NJRC SPE STI TIID TRW	222-21	1N686	CSR GIC IDC MDC SSI	367-98
1N625M	CRI FSC IDC MDC SCE SLD SST TIIF TIID TRW	276-94 282-40	1N636	CRI CSR MDC NPC SES SPE THCF	261-103	JAN1N651	CRI ETC HSC ITT MSC SPE SST THCF TIIB TIID	289-89 281-106	1N669	CEN CSR HSC MDC NJRC SPE STI TIID TRW	242-55	1N687	CSR GIC IDC MDC SSI	373-82
1N626	CRI FSC IDC MDC SCE SLD SST TIIF TIID TRW	277-28	1N637	CRI CSR MDC NPC SES SPE THCF	261-103	1N652	CRI ETC HSC ITT MSC SPE SST THCF TIIB TIID	289-89 281-106	1N670	CEN CSR HSC MDC NJRC SPE STI TIID TRW	247-142	1N688	CSR GIC IDC MDC SSI	373-96
1N626M	CRI FSC IDC MDC SCE SLD SST TIIF TIID TRW	282-41 290-70	1N638	CRI CSR MDC NPC SES SPE THCF	261-103	1N653	CRI ETC HSC ITT MSC SPE SST THCF TIIB TIID	289-89 281-106	1N671	CEN CSR HSC MDC NJRC SPE STI TIID TRW	253-4	1N689	CSR GIC IDC MDC SSI	277-35
1N627	CRI FSC IDC MDC SCE SLD SST TIIF TIID TRW	285-66	1N639	CRI CSR MDC NPC SES SPE THCF	261-103	1N654	CRI ETC HSC ITT MSC SPE SST THCF TIIB TIID	289-89 281-106	1N672	CEN CSR HSC MDC NJRC SPE STI TIID TRW	356-23	1N690	CRI HSC ITT NJRC SPE SSI	283-36 290-68
1N627A	CEN	cont.next.col.	1N640	CRI CSR MDC NPC SES SPE THCF	261-103	1N655	CRI ETC HSC ITT MSC SPE SST THCF TIIB TIID	289-89 281-106	1N673	CEN CSR HSC MDC NJRC SPE STI TIID TRW	185-63	1N691	CRI HSC ITT NJRC SPE SSI	292-41

1. TYPE No. CROSS INDEX

TYPE No. MFRS Pg&Line		TYPE No. MFRS Pg&Line		TYPE No. MFRS Pg&Line		TYPE No. MFRS Pg&Line		IN TYPE NUMBER SEQUENCE		TYPE No. MFRS Pg&Line	
1N693 (cont.)	ITC NJRC	1N704A (cont.)	MOTA	1N708A (cont.)	SAR	1N712 (cont.)	MSC	1N715A	APD	206-148	
MDC	SES	NPC	SCE	SCE	SES	NPC	SAR	CEN	CODI		
SCE	SSI	SES	SOD	SIE	SOD	SCE	SES	ETC	ESP		
SPE	CEN	SSI	TEC	SPE	SSCF	SIE	SOD	IDC	GSE		
1N695	CRI	TII	TIIB	SSI	TEC	SPE	SSI	INRB	INRI		
IDC	ITT	TRW	TSC	TII	TIIB	TEC	TII	INRJ	ITT		
MDC	SCE	1N705	APD	TRW	TSC	TIIB	TRW	MDC	MOTA		
SES	SLD	CEN	CODI	1N708B	SAR	187-190	UNI	MSC	NPC		
SPE	STM	CSR	ETC	1N709	ASOD	190-29	CEN	SAR	SCE		
STI	CEN	GSE	IDC	APD	CEN		CSR	ETC	SSI		
1N695A	ITC NJRC	INNR	INRB	CODI	GSE	198-41	GSE	IDC	SSI		
CSR	ITC	INRI	INRJ	ETC	INNR		INNR	INRB	TII		
ITT	MDC	MDC	MOTA	NPC	MDC		INRI	MDC	TRW		
MISI	NJRC	MSC	SES	SES	MSC		ITT	MSC	TSC		
NPC	SES	SOD	SOD	SCE	SAR		MOTA	SAR	APD		
SLD	SPE	SSI	SSI	SSI	SES		NPC	SES	IDC		
SST	STI	SPE	SSI	SCE	SSI		SCE	SES	APD		
STM	TRCF	TEC	TII	TEC	SSI		SPE	SSCF	TRW		
1N696	ITC	TIIB	TSC	TEC	TII		SSI	TSC	TRW		
HTT	IDC	1N705A	APD	TIIB	TRW		TRW	UNI	UNI		
SCE	MDC	CEN	CODI	1N709A	ASOD	190-30	1N712B	APD	198-42		
SLD	SSI	CSR	ETC	APD	CEN		CRI	IDC	201-190		
SST	TEC	GSE	IDC	CODI	CSR		SAR	TSCT			
1N697	HSC	INNR	INRB	ETC	GSE		1N713	CEN	CODI		
MDC	ITT	INRI	INRJ	IDC	INNR		CRI	CSR	ESP		
SCE	NJRC	MDC	MOTA	INRB	MDC		CEN	ETC	INRB		
SLD	SES	MSC	SES	INRJ	MSC		CSR	IDC	INRJ		
SST	SSI	SCE	SOD	MOTA	MSC		ESP	INRB	MDC		
1N697	NJRC	SPE	SOD	1N706	APD	189-109	INNR	INRJ	MSC		
1N698	IDC	TEC	SSI	CEN	CODI		ITT	MDC	NPC		
1N699	ITC	TIIB	TII	CSR	ETC		MOTA	MSC	SES		
IDC	ITT	1N706	APD	GSE	IDC		1N709B	SAR	SSI		
MDC	SES	INNR	INRB	INRI	INRJ		1N710	APD	TRW		
SLD	SST	MDC	MOTA	MDC	MOTA		CEN	CODI	193-99		
1N701	MSC	MSC	SES	INNR	INRJ		GSE	ETC			
1N702	CODI	SCE	SOD	INRI	INRJ		INNR	INRB			
ESI	ETC	SPE	SSI	MDC	MOTA		INRJ	MDC			
GSE	IDC	TEC	TII	MSC	SES		MSC	MSC			
INNR	INRB	TIIB	TSC	1N706A	APD	189-110	1N710A	APD	193-100		
INRI	INRJ	1N706A	CEN	TRW	TSC		CEN	CODI			
MDC	MOTA	CSR	CSR	1N707	APD	195-103	CSR	ETC			
ESI	ETC	GSE	ETC	CEN	CODI		GSE	IDC			
INNR	INRB	INNR	INRB	INNR	INRB		INNR	INRB			
INRJ	MDC	INRI	INRJ	MDC	MOTA		INRI	INRJ			
MOTA	SES	MDC	MOTA	MSC	SES		MDC	MOTA			
SCE	SOD	1N707	CEN	1N710B	APD	193-101	1N711	APD	195-170		
SSI	SOD	CSR	CSR	IDC	ETC		CEN	CODI			
TEC	SSI	GSE	ETC	INNR	INRB		CSR	ETC			
TIIB	TII	INNR	INRB	INRI	INRJ		GSE	IDC			
1N702A	CEN	INNR	INRB	MDC	MOTA		INNR	INRB			
CODI	CSR	INRI	INRJ	MSC	SES		INRI	INRJ			
ETC	GSE	MDC	MOTA	1N707A	APD	195-104	INNR	INRB			
IDC	INNR	INNR	INRB	CEN	CODI		INRI	INRJ			
INRB	INRJ	INRI	INRJ	CSR	ETC		MDC	MOTA			
MOTA	MDC	MDC	MOTA	GSE	IDC		MSC	SES			
SCE	NPCC	MSC	SES	INNR	INRB		SAR	SCE			
SSI	SOD	1N707	CEN	INNR	INRB		SES	SPE			
SPE	SSI	CSR	CSR	INRI	INRJ		SOD	TEC			
TEC	TII	GSE	ETC	MDC	MOTA		SSCF	TIIB			
TIIB	TRW	INNR	INRB	1N708	APD	187-188	1N711A	APD	185-171		
1N703	CODI	INNR	INRB	CEN	CODI		CEN	CODI			
ETC	ETC	INNR	INRB	CSR	ETC		CSR	ETC			
IDC	INNR	INNR	INRB	GSE	IDC		GSE	IDC			
INRB	INRJ	MDC	MOTA	INNR	INRB		INNR	INRB			
MOTA	NPCC	MSC	SES	INRI	INRJ		MDC	MOTA			
SCE	SOD	1N707A	CEN	INNR	INRB		MSC	SES			
SSI	SOD	CSR	CSR	INRI	INRJ		SAR	SCE			
TEC	SSI	GSE	ETC	MDC	MOTA		SES	SPE			
TIIB	TII	INNR	INRB	1N708A	APD	187-189	INNR	INRB			
1N703A	CODI	INNR	INRB	CEN	CODI		INRI	INRJ			
ETC	ETC	INNR	INRB	CSR	ETC		MDC	MOTA			
IDC	INNR	INNR	INRB	GSE	IDC		MSC	SES			
INRB	INRJ	MDC	MOTA	INNR	INRB		SAR	SCE			
MOTA	NPCC	MSC	SES	INRI	INRJ		SES	SPE			
SCE	SOD	1N707A	CEN	INNR	INRB		SOD	TEC			
SSI	SOD	CSR	CSR	INRI	INRJ		SSCF	TIIB			
TEC	SSI	GSE	ETC	MDC	MOTA		1N711B	APD	195-172		
TIIB	TII	INNR	INRB	1N708	APD	187-188	IDC	APD	198-40		
1N704	CODI	INNR	INRB	CEN	CODI		CEN	CODI			
ETC	ETC	INNR	INRB	CSR	ETC		CSR	ETC			
IDC	INNR	INNR	INRB	GSE	IDC		GSE	IDC			
INRB	INRJ	MDC	MOTA	INNR	INRB		INNR	INRB			
MOTA	NPCC	MSC	SES	INRI	INRJ		MDC	MOTA			
SCE	SOD	1N707A	CEN	INNR	INRB		MSC	SES			
SSI	SOD	CSR	CSR	INRI	INRJ		SAR	SCE			
TEC	SSI	GSE	ETC	MDC	MOTA		SES	SPE			
TIIB	TII	INNR	INRB	1N708A	APD	187-189	INNR	INRB			
1N704A	CODI	INNR	INRB	CEN	CODI		INRI	INRJ			
ETC	ETC	INNR	INRB	CSR	ETC		MDC	MOTA			
IDC	INNR	INNR	INRB	GSE	IDC		MSC	SES			
INRB	INRJ	MDC	MOTA	INNR	INRB		1N712	CEN	CODI		
INRJ	MDC	MSC	SES	INRI	INRJ		CRI	ETC			
cont.next col.		cont.next col.		cont.next col.			ETC	GSE			