

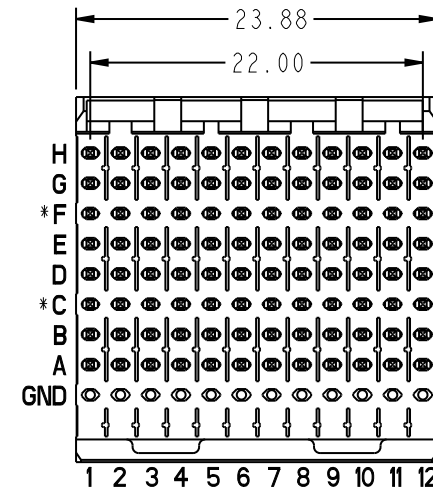
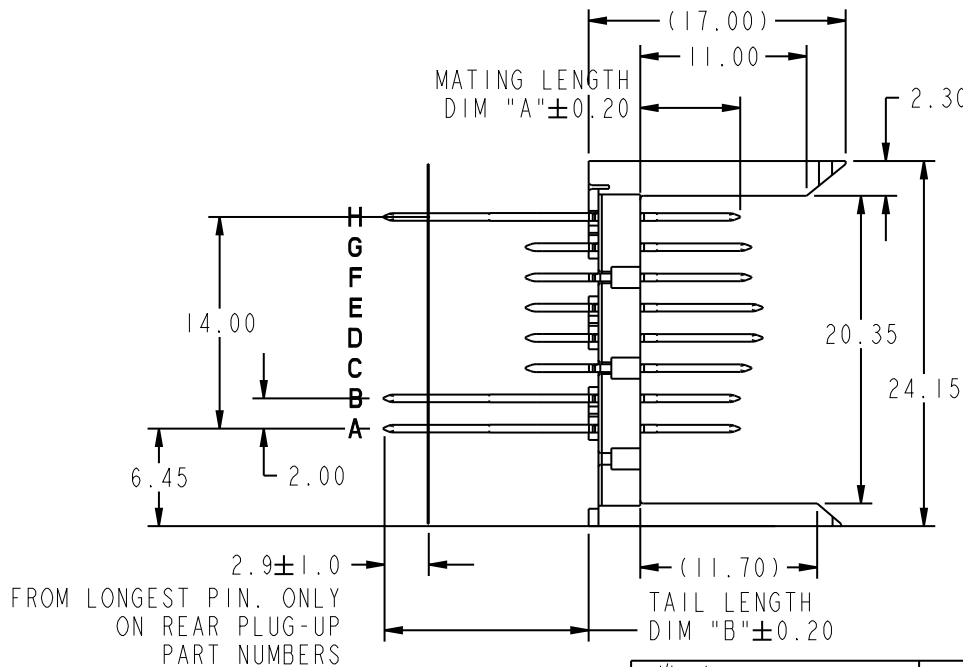
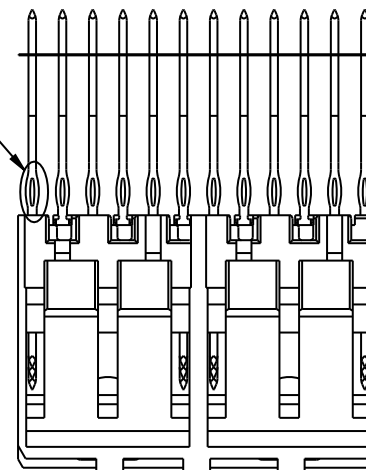


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PRODUCT NUMBER	PLATING PERFORMANCE LEVEL
98030-1YYY	TELCORDIA CO
98030-1YYYYLF	TELCORDIA CO
98030-5YYY	TELCORDIA UE
98030-5YYYYLF	TELCORDIA UE



DETAIL A
 SCALE 4:1
 SEE NOTE 14



mat'l code SEE NOTE 3				tolerances unless otherwise specified			CUSTOMER	FCI	
ltr	ecr no.	dr	date	linear	0.X ± 0.3		COPY	www.fciconnect.com	
T	V06-0573	DCH	2006-06-14	linear	0.XX ± 0.13		projection	title VERTICAL SIGNAL HDR 8 ROW	
U	V07-0168	DCH	2007-03-23	angles	.XXX ± .051			P.F. 96 POS. SELECT LOAD EXT.	
V	V08-0030	HTB	2008-02-23	angles	0° ± 2°			product family METRAL code	
W	V08-0066	LP	2008-03-24	dr	E. KROPER.	2001-01-15		size	
X	109-0280	RKV	2009-12-15	enrg	J. VOLSTORF	2001-01-15		dwg no	
-	-	-	-	chr	RAJKRISHNAN.V	2009-12-15	scale 1:1 A	98030	
-	-	-	-	appd	BIJU K PAUL	2009-12-15		213	
sheet index	revision sheet	X 1	X 2	X 3	X 4	X 5	X 6	sheet 1 of 6	

cage code 22526

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH
			ROWS A,B,C,D,E,F,G, & H
01*	5.00	4.30	1.60 MIN
22		12.20	2.95 - 3.80
30		12.95	2.95 - 4.55
05		13.70	2.95 - 5.30
35		14.45	3.05 - 6.05
48		15.20	3.80 - 6.80
40		15.70	4.30 - 7.30
65		16.40	5.00 - 8.00
09		17.10	5.70 - 8.70
02*	5.75	4.30	1.60 MIN
44		12.20	2.95 - 3.80
31		12.95	2.95 - 4.55
06		13.70	2.95 - 5.30
36		14.45	3.05 - 6.05
49		15.20	3.80 - 6.80
25		15.70	4.30 - 7.30
66		16.40	5.00 - 8.00
10		17.10	5.70 - 8.70
03*	6.50	4.30	1.60 MIN
45		12.20	2.95 - 3.80
32		12.95	2.95 - 4.55
07		13.70	2.95 - 5.30
37		14.45	3.05 - 6.05
50		15.20	3.80 - 6.80
41		15.70	4.30 - 7.30
24		16.40	5.00 - 8.00
11		17.10	5.70 - 8.70

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH
			ROWS A,B,C,D,E,F,G & H
04*	7.25	4.30	1.60 MIN
46		12.20	2.95 - 3.80
33		12.95	2.95 - 4.55
08		13.70	2.95 - 5.30
38		14.45	3.05 - 6.05
51		15.20	3.80 - 6.80
42		15.70	4.30 - 7.30
67		16.40	5.00 - 8.00
12		17.10	5.70 - 8.70
19*	8.00	4.30	1.60 MIN
47		12.20	2.95 - 3.80
34		12.95	2.95 - 4.55
20		13.70	2.95 - 5.30
39		14.45	3.05 - 6.05
52		15.20	3.80 - 6.80
43		15.70	4.30 - 7.30
68		16.40	5.00 - 8.00
21		17.10	5.70 - 8.70

* STUB PINS - NO REAR PLUG-UP

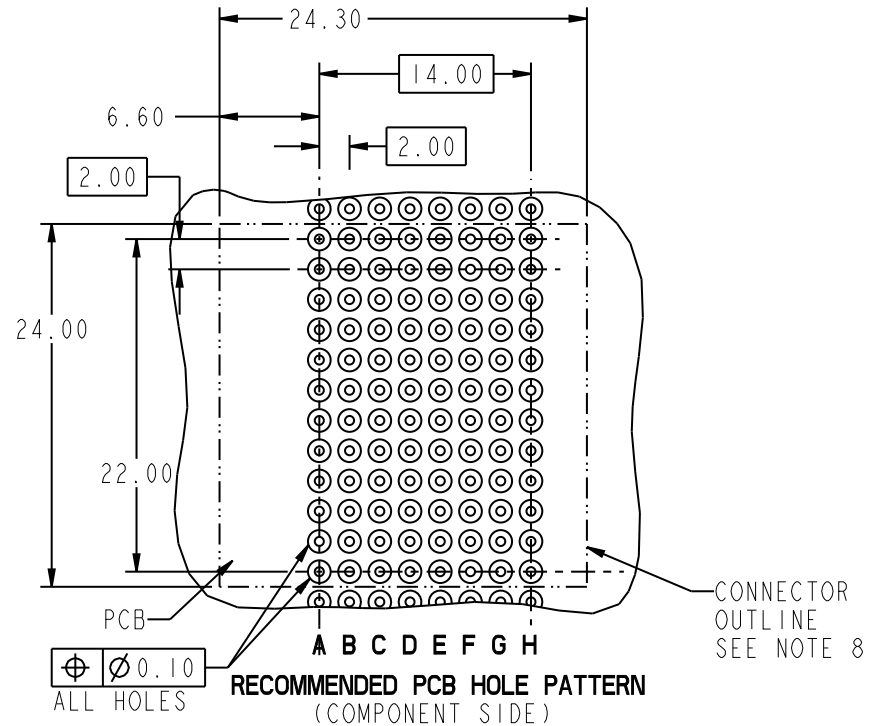
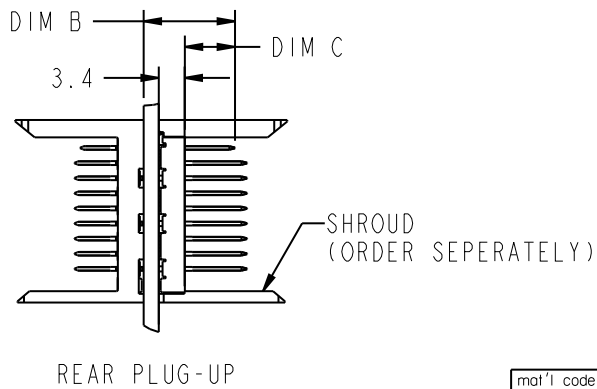
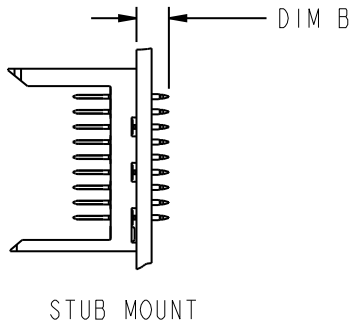
mat'l code SEE NOTE 3				tolerances unless otherwise specified				CUSTOMER		FCJ www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		projection	title	
X					0.XX ±0.13		MM			VERTICAL SIGNAL HDR 8 ROW	
					.XXX ±.051		←→			P.F. 96 POS. SELECT LOAD EXT.	
				angles	0° ±2°		scale		product family		
				dr	E. KROPER.	2001-01-15	1:1		METRAL		
				enrg	J. VOLSTORF	2001-01-15			code		
				chr	RAJKRISHNAN.V	2009-12-15			size		
				appd	BIJU K PAUL	2009-12-15			dwg no		
sheet index	revision sheet								98030		
									213		
									sheet		
									2		
									cage code		
									22526		



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PRODUCT NUMBER
SEE SHEET 1

PRESS-FIT HOLES	OPTION 1
HOLE DIAMETER AFTER PLATING	Ø 0.65-0.80
DRILLED HOLE	Ø 0.81-0.86 (Ø 0.85 DRILL)
COPPER PLATING	0.025 MIN
SnPb PLATING	0.005-0.015



SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		FCJ www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection	title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.		
X					0.XX ±0.13	MM				product family	code
					0.XXX ±0.051	1:1				METRAL	213
				angles	0° ±2°	scale		size	sheet		
				dr	E. KROPER. 2001-01-15			dwg no	3		
				enr	J. VOLSTORF 2001-01-15			A	98030		
				chr	RAJKRISHNAN.V 2009-12-15						
				appd	BIJU K PAUL 2009-12-15						
sheet index	revision sheet							cage code	22526		

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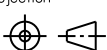



METRAL P/N		CONTACT CODE											
ROW	1	2	3	4	5	6	7	8	9	10	11	12	
98030-X001 SEE NOTE 13 LEAD FREE OPTION	H	03	03	03	03	03	03	03	03	03	03	03	-
	G	04	04	04	04	04	04	04	04	04	04	04	04
	F	04	04	04	04	04	04	04	04	04	04	04	04
	E	19	19	19	19	19	19	19	19	19	19	19	19
	D	19	19	19	19	19	19	19	19	19	19	19	19
	C	04	04	04	04	04	04	04	04	04	04	04	04
	B	03	03	03	03	03	03	03	03	03	03	03	03
	A	03	03	03	03	03	03	03	03	03	03	03	03
	GND	-	-	-	-	-	-	-	-	-	-	-	-

METRAL P/N		CONTACT CODE											
ROW	1	2	3	4	5	6	7	8	9	10	11	12	
98030-X002 SEE NOTE 13 LEAD FREE OPTION	H	04	04	04	04	-	04	-	04	04	-	-	
	G	03	03	03	03	-	03	-	03	03	-	-	
	F	03	03	03	03	-	03	-	03	03	-	-	
	E	02	02	02	02	-	02	-	02	02	-	-	
	D	02	02	02	02	-	02	-	02	02	-	-	
	C	03	03	03	03	-	03	-	03	03	-	-	
	B	04	04	04	04	-	04	-	04	04	-	-	
	A	04	04	04	04	-	04	-	04	04	-	-	
	GND	-	-	-	-	-	-	-	-	-	-	-	

METRAL P/N		CONTACT CODE											
ROW	1	2	3	4	5	6	7	8	9	10	11	12	
98030-X003 SEE NOTE 13 LEAD FREE OPTION	H	04	04	-	-	04	04	04	04	04	04	04	04
	G	03	03	-	-	03	03	03	03	03	03	03	03
	F	03	03	-	-	03	03	03	03	03	03	03	03
	E	02	02	-	-	02	02	02	02	02	02	02	02
	D	02	02	-	-	02	02	02	02	02	02	02	02
	C	03	03	-	-	03	03	03	03	03	03	03	03
	B	04	04	-	-	04	04	04	04	04	04	04	04
	A	04	04	-	-	04	04	04	04	04	04	04	04
	GND	-	-	-	-	-	-	-	-	-	-	-	-

METRAL P/N		CONTACT CODE											
ROW	1	2	3	4	5	6	7	8	9	10	11	12	
98030-X004 SEE NOTE 13 LEAD FREE OPTION	H	-	01	01	-	01	01	-	01	01	-	01	01
	G	-	01	01	-	01	01	-	01	01	-	01	01
	F	-	01	01	-	01	01	-	01	01	-	01	01
	E	-	01	01	-	01	01	-	01	01	-	01	01
	D	-	01	01	-	01	01	-	01	01	-	01	01
	C	-	01	01	-	01	01	-	01	01	-	01	01
	B	-	01	01	-	01	01	-	01	01	-	01	01
	A	-	01	01	-	01	01	-	01	01	-	01	01
	GND	-	-	-	-	-	-	-	-	-	-	-	-

mat'l code SEE NOTE 3				tolerances unless otherwise specified				CUSTOMER		FCJ	
ltr	ecr no.	dr	date	0.X ±0.3		COPY		www.fcjconnect.com		title	
x				0.XX ±0.13		projection		VERTICAL SIGNAL HDR 8 ROW		P.F. 96 POS. SELECT LOAD EXT.	
				.XXX ±.051				product family METRAL		code	
				0° ±2°				size		sheet	
				dr E. KROPER. 2001-01-15		scale 1:1		A		98030	
				enrg J. VOLSTORF 2001-01-15						213	
				chr AJKRISHNAN.V 2009-12-15						4	
				appd BIJU K PAUL 2009-12-15							
sheet index	revision sheet										

* REAR PLUG-UP PART NUMBER



product family METRAL			code
size	dwg no		213
A	98030		sheet
			4

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X013 SEE NOTE 13 LEAD FREE OPTION	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	04	04	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	-	-	-	-	-	-	-	-	-	-	-	-


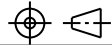

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X017 SEE NOTE 13 LEAD FREE OPTION	H	02	02	02	02	02	02	02	02	02	01	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	04	04	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	-	-	-	-	-	-	-	-	-	-	-	-

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X014 SEE NOTE 13 LEAD FREE OPTION	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	04	04	02	02	02	02	01	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	-	-	-	-	-	-	-	-	-	-	-	-

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X015 * SEE NOTE 13 LEAD FREE OPTION	H	-	55	-	55	-	55	-	55	-	55	-	55
	G	55	-	55	-	55	-	55	-	55	-	55	-
	F	-	55	-	55	-	55	-	55	-	55	-	55
	E	55	-	55	-	55	-	55	-	55	-	55	-
	D	-	55	-	55	-	55	-	55	-	55	-	55
	C	55	-	55	-	55	-	55	-	55	-	55	-
	B	-	55	-	55	-	55	-	55	-	55	-	55
	A	55	-	55	-	55	-	55	-	55	-	55	-
	GND	-	-	-	-	-	-	-	-	-	-	-	-

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
98030-X016 * SEE NOTE 13 LEAD FREE OPTION	H	55	55	55	55	55	55	55	55	55	55	55	55
	G	55	55	55	55	55	55	55	55	55	55	55	55
	F	57	57	55	55	55	55	55	55	55	55	55	55
	E	55	55	55	55	55	55	55	55	55	55	55	55
	D	55	55	55	55	55	55	55	55	55	55	55	55
	C	55	55	55	55	55	55	55	55	55	55	55	55
	B	55	55	55	55	55	55	55	55	55	55	55	55
	A	55	55	55	55	55	55	55	55	55	55	55	55
	GND	-	-	-	-	-	-	-	-	-	-	-	-

*REAR PLUG-UP PART NUMBER


mat'l code SEE NOTE 3		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY	
X				linear	0.XX ±0.13	projection	title
				angles	.XXX ±.051		VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.
				dr	0° ±2°		product family
				enrg	E. KROPER. 2001-01-15	MM	METRAL
				chr	J. VOLSTORF 2001-01-15	scale	code
				appd	RAJKRISHNAN.V 2009-12-15	1:1	213
					BIJU K PAUL 2009-12-15		size
sheet	revision					A	dwg no
index	sheet					98030	5
							sheet
							5



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PRODUCT NUMBER
SEE SHEET 1


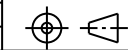

NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994
3. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-V0. PIN MATERIAL: PHOSPHOR BRONZE
4. PLATING ON CONTACT AREAS PER PERFORMANCE LEVELS SHOWN IN TABLE ON SHEET 1. PLATING ON "LF" TAILS IS Sn. PLATING ON ALL OTHER TAILS IS SnPb.
5. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.
DIM A : 5.0mm MIN, 8.0mm MAX FOR ROWS A-H
DIM C : 5.0mm MIN, 8.0mm MAX FOR ROWS A-H
6. THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 1.6mm
7. USE SHROUD 98173-102 FOR REAR PLUG-UP APPLICATIONS.
8. THE 'CONNECTOR OUTLINE' IS THE MIN OUTLINE REQUIRED. TO DETERMINE THE OUTLINE NECESSARY TO PERMIT THE VARIOUS TYPES OF REPAIR OPERATIONS, SEE APPLICATION SPECIFICATION GS-20-010.
9. CURRENT RATING : 1 AMP PER PIN
10. TEMPERATURE RANGE : -55°C TO +105°C
11. P/N 98030-XXXXLF

12. PRODUCTS WHERE THE PART NUMBER ENDS IN "LF" MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260° C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
13. FOR LEAD FREE PART NUMBERS ADD "LF" SUFFIX. EXAMPLE: 98030-XXXXLF
14. PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE



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mat'l code SEE NOTE 3				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3		COPY		title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.		
X					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°				product family METRAL code		
				dr	E. KROPER.	2001-01-15	scale		size		
				engr	J. VOLSTORF	2001-01-15	1:1		dwg no		
				chr	RAJKRISHNAN.V	2009-12-15			98030		
				appd	BIJU K PAUL	2009-12-15			sheet 213		
sheet index	revision sheet								sheet 6		

Mouser Electronics

Authorized Distributor

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[98030-1003](#) [98030-1001](#) [98030-1011](#) [98030-1013LF](#) [98030-1015](#) [98030-1016](#) [98030-9001](#) [98030-9002](#) [98030-](#)
[9003](#) [98030-9003LF](#) [98030-1001LF](#) [98030-1015LF](#) [98030-1011LF](#) [98030-1016LF](#) [98030-9002LF](#) [98030-9001LF](#)
[98030-3001LF](#) [98030-1017LF](#)