

MOLEX P/N	LENGTH	TOLERANCE (mm)	AWG	IMPEDANCE	EE SPEC	LABEL CONTEXT
2079901000	152mm	±10	32	100 OHMS	SAS 4.0	SAS4.0 100 Ohm
2079901001	300mm	±10	32	100 OHMS	SAS 4.0	SAS4.0 100 Ohm
2079901003	500mm	±10	32	100 OHMS	SAS 4.0	SAS4.0 100 Ohm
2079901002	1000mm	±15	32	100 OHMS	SAS 4.0	SAS4.0 100 Ohm
2079901300	152mm	±10	32	100 OHMS	SAS 3.0	SAS3.0 100 Ohm
2079901301	300mm	±10	32	100 OHMS	SAS 3.0	SAS3.0 100 Ohm
2079901302	1000mm	±15	32	100 OHMS	SAS 3.0	SAS3.0 100 Ohm
2079921001	300mm	±10	32	85 OHMS	PCle 4.0	PCle4.0 85 Ohm
2079921003	500mm	±10	32	85 OHMS	PCle 4.0	PCle4.0 85 Ohm
2079921002	1000mm	±15	32	85 OHMS	PCle 4.0	PCle4.0 85 Ohm
2079921005	350mm	±10	32	85 OHMS	PCle 4.0	PCle4.0 85 Ohm

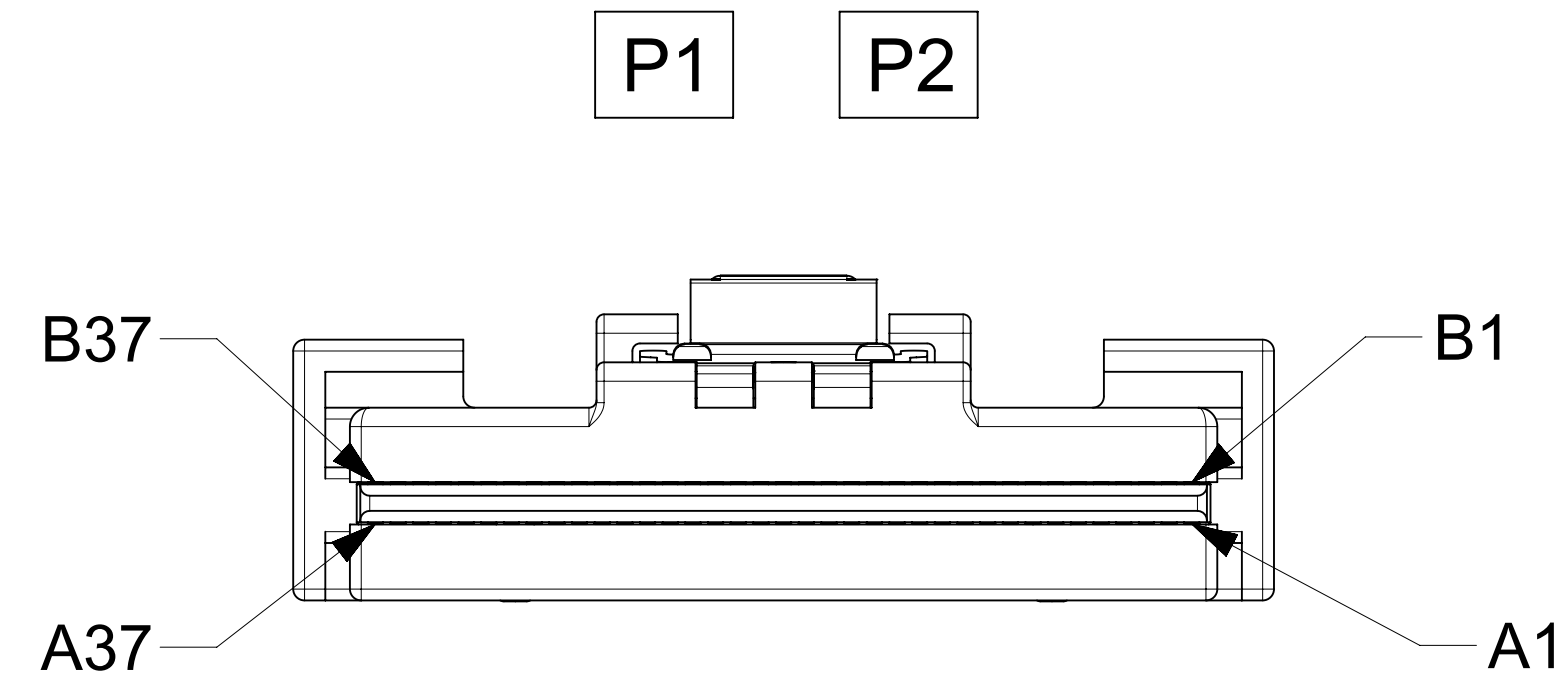
NOTES:
 1. MATERIAL:
 HOUSING - PC 94V-0 BLACK
 LATCH - STAINLESS STEEL
 EXPANDO - PET
 CABLE - SHIELD: ALUMINIZED POLYESTER FOIL
 - SIGNAL PAIR : SILVER-COATED OR TIN-COATED COPPER
 - DRAIN: TIN-COATED COPPER
 - CONFORMS TO VW1
 PCB - FR4 (HALOGEN FREE)
 2. THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING OF SFF-8654
 3. RoHS COMPLIANT. NO EXEMPTIONS

FUNCTIONAL SYMBOLS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
$F_A = 0$	DIMENSION UNITS	SCALE	CURRENT REV DESC:					
$F_C = 0$	mm	5:1	EC NO: 750333 DRWN: RICKK2 2023/05/19 CHK'D: RTSAI03 2023/05/23 APPR: RTSAI03 2023/05/23 INITIAL REVISION: DRWN: LOU01 2018/06/28 APPR: VPENG01 2018/08/13					
$F_P = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)							
DIVISIONAL SYMBOLS	ANGULAR TOL ± 3.0°							
	4 PLACES	±						
	3 PLACES	± 0.2						
	2 PLACES	± 0.3	MATERIAL NUMBER: 2079901000 CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 3					
	1 PLACE	± 0.4	DOCUMENT NUMBER: 2079901000 DOC TYPE: PSD DOC PART: 000 REVISION: D					
	0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING: D-SIZE SERIES: 207990					

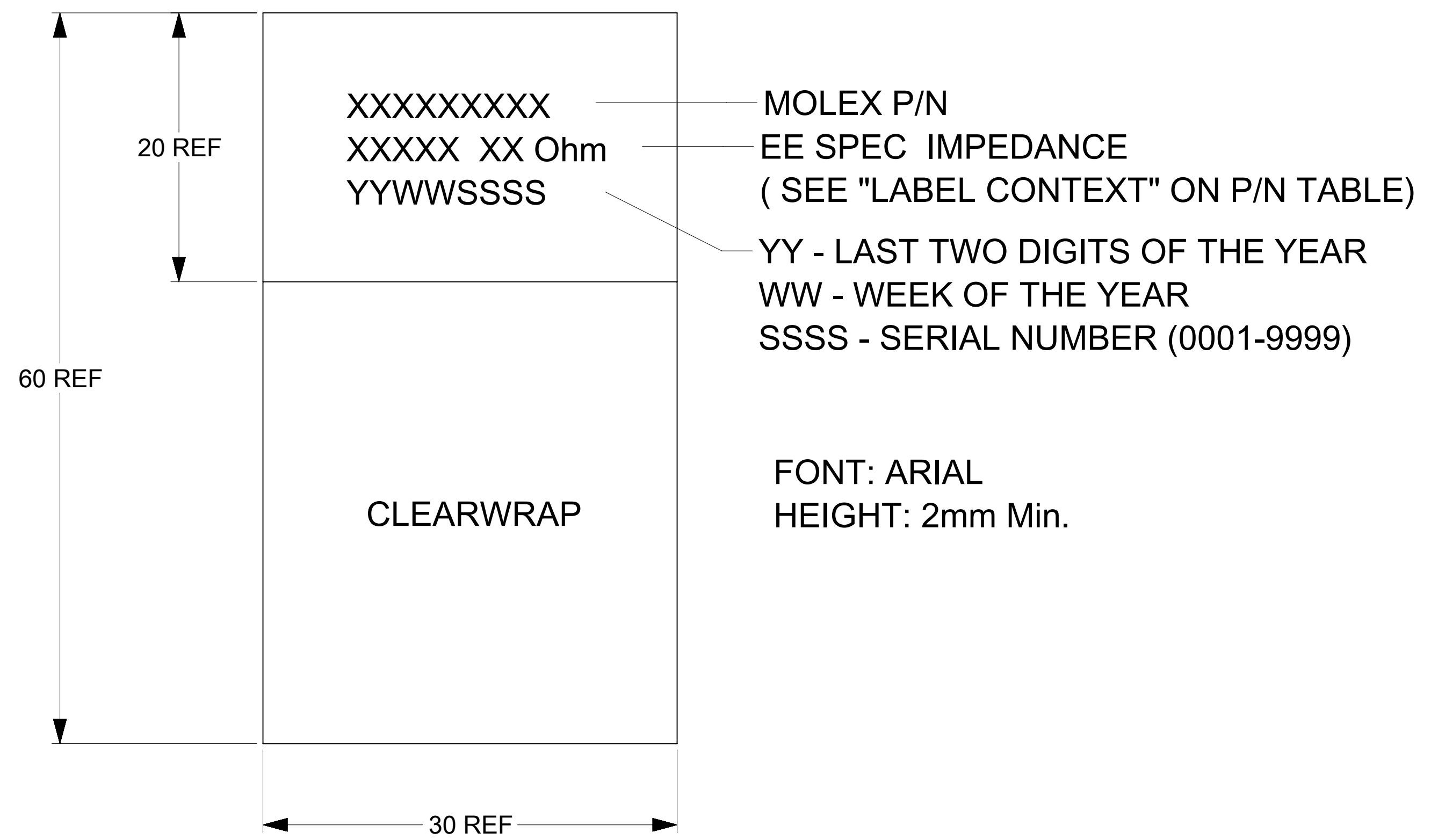
PINOUT DIAGRAM

P1		SIGNAL TYPE	P2		P1		SIGNAL TYPE	P2	
GND	A1	—	B1	GND	GND	B1	—	A1	GND
RX0+	A2	←	B2	TX0+	TX0+	B2	→	A2	RX0+
RX0-	A3	←	B3	TX0-	TX0-	B3	→	A3	RX0-
GND	A4	—	B4	GND	GND	B4	—	A4	GND
RX1+	A5	←	B5	TX1+	TX1+	B5	→	A5	RX1+
RX1-	A6	←	B6	TX1-	TX1-	B6	→	A6	RX1-
GND	A7	—	B7	GND	GND	B7	—	A7	GND
SB	A8	↔	B8	SB	SB	B8	↔	A8	SB
SB	A9	↔	B9	SB	SB	B9	↔	A9	SB
SB	A10	↔	B10	SB	SB	B10	↔	A10	SB
SB	A11	↔	B11	SB	SB	B11	↔	A11	SB
SB	A12	↔	B12	SB	SB	B12	↔	A12	SB
GND	A13	—	B13	GND	GND	B13	—	A13	GND
RX2+	A14	←	B14	TX2+	TX2+	B14	→	A14	RX2+
RX2-	A15	←	B15	TX2-	TX2-	B15	→	A15	RX2-
GND	A16	—	B16	GND	GND	B16	—	A16	GND
RX3+	A17	←	B17	TX3+	TX3+	B17	→	A17	RX3+
RX3-	A18	←	B18	TX3-	TX3-	B18	→	A18	RX3-
GND	A19	—	B19	GND	GND	B19	—	A19	GND
RX4+	A20	←	B20	TX4+	TX4+	B20	→	A20	RX4+
RX4-	A21	←	B21	TX4-	TX4-	B21	→	A21	RX4-
GND	A22	—	B22	GND	GND	B22	—	A22	GND
RX5+	A23	←	B23	TX5+	TX5+	B23	→	A23	RX5+
RX5-	A24	←	B24	TX5-	TX5-	B24	→	A24	RX5-
GND	A25	—	B25	GND	GND	B25	—	A25	GND
SB	A26	↔	B26	SB	SB	B26	↔	A26	SB
SB	A27	↔	B27	SB	SB	B27	↔	A27	SB
SB	A28	↔	B28	SB	SB	B28	↔	A28	SB
SB	A29	↔	B29	SB	SB	B29	↔	A29	SB
SB	A30	↔	B30	SB	SB	B30	↔	A30	SB
GND	A31	—	B31	GND	GND	B31	—	A31	GND
RX6+	A32	←	B32	TX6+	TX6+	B32	→	A32	RX6+
RX6-	A33	←	B33	TX6-	TX6-	B33	→	A33	RX6-
GND	A34	—	B34	GND	GND	B34	—	A34	GND
RX7+	A35	←	B35	TX7+	TX7+	B35	→	A35	RX7+
RX7-	A36	←	B36	TX7-	TX7-	B36	→	A36	RX7-
GND	A37	—	B37	GND	GND	B37	—	A37	GND

→ = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS
 — = GND
 ↔ = SIDEBAND
 NOTE: ALL SIGNAL GROUND ARE BUSSED IN PCB.



LABEL DETAIL



FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_E = 0$ $\nabla_P = 0$	DIMENSION UNITS mm	SCALE 1:1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL $\pm 3.0^\circ$ 4 PLACES \pm 3 PLACES ± 0.2 2 PLACES ± 0.3 1 PLACE ± 0.4 0 PLACES \pm		CURRENT REV DESC: EC NO: 750333 DRWN: RICKK2 2023/05/19 CHK'D: RTSAI03 2023/05/23 APPR: RTSAI03 2023/05/23	
DIVISIONAL SYMBOLS DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		INITIAL REVISION: DRWN: LOU01 2018/06/28 APPR: VPENG01 2018/08/13
DOCUMENT STATUS P1	RELEASE DATE 2023/05/23 02:34:16	DRAWING D-SIZE	SERIES 207990	MATERIAL NUMBER 2079901000
CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 3		PRODUCT CUSTOMER DRAWING SLIMSAS 8X STR TO STR CABLE ASSY.

REVISION HISTORY			
DATE	REV	DESCRIPTION	ENGINEER
2021/06/25	C	SHEET 01: ADDED NEW P/N: 2079921005 TO P/N TABLE.	SACHIN M K
2023/05/19	D	SHEET 1 : NOTE OTEM 1 AD OTHER OPTION TIN-COATED	RICKK2

FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	DIMENSION UNITS	SCALE	CURRENT REV DESC:										
	mm	1:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 750333								DOCUMENT NUMBER 2079901000	
	ANGULAR TOL ± 3.0°			DRWN: RICKK2 2023/05/19									
	4 PLACES ±			CHK'D: RTSAI03 2023/05/23								DOC TYPE PSD	
	3 PLACES ± 0.2			APPR: RTSAI03 2023/05/23									
2 PLACES ± 0.3			INITIAL REVISION:								DOC PART 000		
1 PLACE ± 0.4			DRWN: LOU01 2018/06/28										
0 PLACES ±			APPR: VPENG01 2018/08/13								REVISION D		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING		SERIES		CUSTOMER				
				D-SIZE		207990		SEE P/N TABLE		GENERAL MARKET			
								SHEET NUMBER		3 OF 3			

DOCUMENT STATUS	P1	RELEASE DATE	2023/05/23 02:34:16
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