

3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR/SDR,
1Mx26- xFxx SERIES

- SUPPORT CAMERA LINK STANDARD
- MALE TO FEMALE CONFIGRATION ENABLES USE AS AN EXTENSION
- DOUBLE OVERALL SHEILDDED CABLE AND EMI SHIELDED SHELL
- OFFERING THINNER CABLE FOR BASE AND MIDIUUM CONFIGURATION CAMERA
- ROHS COMPLIANT

NOTES

- 1 THE TOLERANCE OF HARNESS LENGTH IS LARGER VALUE OF EITHER +50mm/0 OR +3%/0 OF ORDER LENGTH
- 2 SEE TABLE-4 AND PART NUMBER SCHEME FOR IDENTIFYING CABLE LENGTHS.

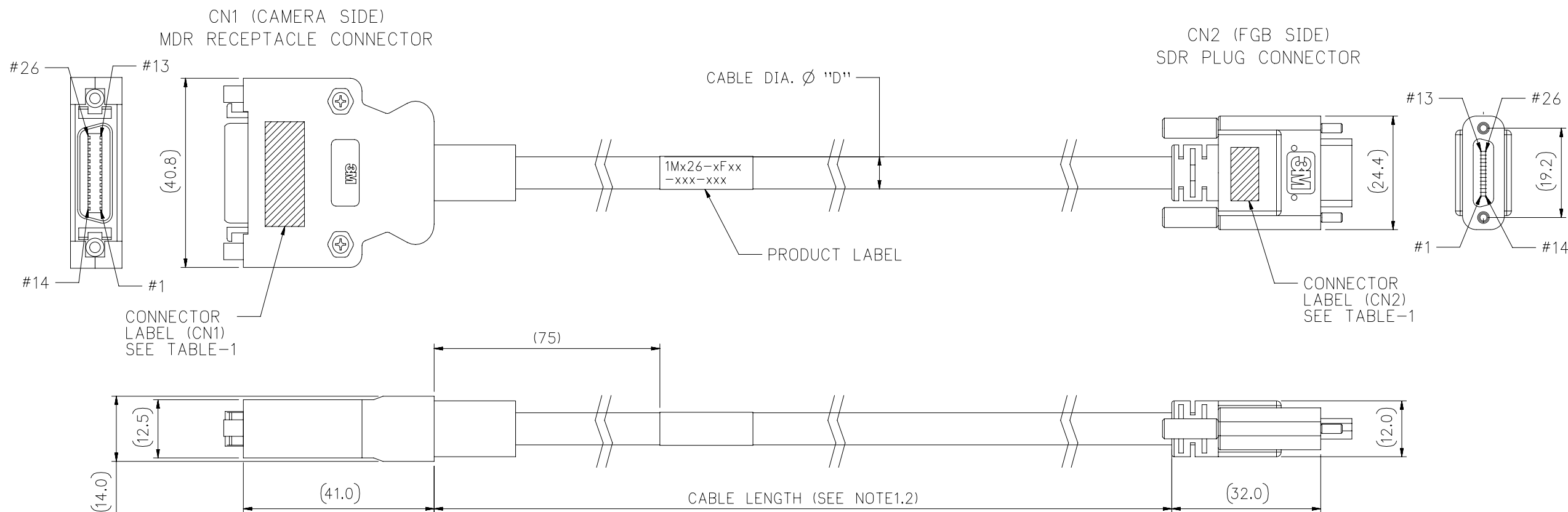


TABLE-1: CONNECTOR LABEL INDICATION

	1MK26-3FW0, 1MK26-RFW0	1MN26-LFW0	1MG26-LFW0
CN1	PoCL Camera Side	PoCL	NO LABEL
CN2	PoCL	PoCL	NO LABEL

PRODUCT LABEL DETAIL

1Mx26- xFxx	3M PART NUMBER (SEE SHEET3)
- xxx-xxx	
yyyyyy	LOT ID

TABLE-2

PERFORMANCE	
TEMPERATURE RATING	70° C
VOLTATE RATING	30 V
CURRENT RATING	0.5A
DIFFERENTIAL IMPEDANCE	100 Ohm (HIGH SPEED LINE)
CABLE FLAMMABILITY	UL AWM VW-1
CONTACT PLATING	0.76 micron Au under Ni

TOLERANCES EXCEPT AS NOTED		DFTG S.YOKOYAMA	DATE 10/27/23	3M 3M Center St. Paul, MN 55144	DIVISION EMSD		MODEL
INCHES .0 ± .5 .00 ± .20 .000 ± N/A		CHKD M.NAITOU	DATE 10/27/23		DIVISION CODE		
MILLIMETERS .0 ± .5 .00 ± .20 .000 ± N/A		MFG	DATE		TITLE 3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR/SDR, 1Mx26-xFx x SERIES		
ANGLES ±5°		APPVL Y.KAWATE	DATE 10/27/23				
THIRD ANGLE PROJECTION		© 3M COPYRIGHT 2023 THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M.					
THIRD ANGLE PROJECTION		FSCM NO.		SIZE A3	DRAWING NO. 78-5100-2799-4		REV. A
		SCALE		DET LISTS ☐ YES ☐ NO		SHT 1 OF 4	

3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR/SDR, 1Mx26- xFxx SERIES

CONNECTOR PIN ASSIGNMENT

1MK26-3FW0-00C-xxx
POCL OR CAMERA LINK
FOR BASE OR MEDIUM
CONFIGURATIONS
AND FIXED USE

CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
25	25	X0-	QUAD1
12	12	X0+	
24	24	X1-	
11	11	X1+	
23	23	X2-	QUAD2
10	10	X2+	
22	22	Xclk-	
9	9	Xclk+	
21	21	X3-	QUAD3
8	8	X3+	
20	20	SerTC+	
7	7	SerTC-	
19	19	SerTFG-	TWISTED PAIR 1
6	6	SerTFG+	
18	18	CC1-	TWISTED PAIR 2
5	5	CC1+	
17	17	CC2+	TWISTED PAIR 3
4	4	CC2-	
16	16	CC3-	TWISTED PAIR 4
3	3	CC3+	
15	15	CC4+	TWISTED PAIR 5
2	2	CC4-	
1	1	Power	TWISTED PAIR 6
26	26	Power	
13	13	INNER SHIELD	DRAIN WIRE
14	14	INNER SHIELD	
Shell	Shell	BRAID SHIELD	

1MK26-RFW0-00C-xxx
POCL OR CAMERA LINK
FOR BASE OR MEDIUM
CONFIGURATIONS
AND FLEX MOTION USE

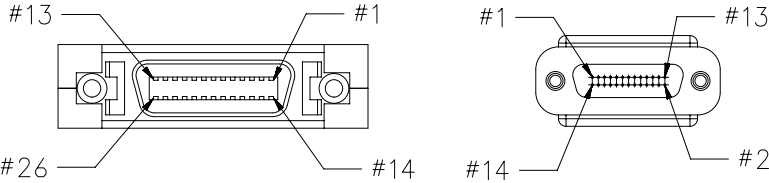
CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
25	25	X0-	QUAD1
12	12	X0+	
24	24	X1-	
11	11	X1+	
23	23	X2-	QUAD2
10	10	X2+	
22	22	Xclk-	
9	9	Xclk+	
21	21	X3-	QUAD3
8	8	X3+	
20	20	SerTC+	
7	7	SerTC-	
19	19	SerTFG-	QUAD4
6	6	SerTFG+	
18	18	CC1-	
5	5	CC1+	
17	17	CC2+	QUAD5
4	4	CC2-	
16	16	CC3-	
3	3	CC3+	
15	15	CC4+	QUAD6
2	2	CC4-	
1	1	Power	
26	26	Power	
13	13	INNER SHIELD	DRAIN WIRE
14	14	INNER SHIELD	
Shell	Shell	BRAID SHIELD	

1MN26-LFW0-00C-xxx
POCL OR CAMERA LINK
FOR ALL CONFIGURATIONS
AND FIXED USE

CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
25	25	Y0-	TWIN AXIAL 1
12	12	Y0+	
24	24	Y1-	TWIN AXIAL 2
11	11	Y1+	
23	23	Y2-	TWIN AXIAL 3
10	10	Y2+	
22	22	Yclk-	TWIN AXIAL 4
9	9	Yclk+	
21	21	Y3-	TWIN AXIAL 5
8	8	Y3+	
20	20	100 ohm	TWIN AXIAL 6
7	7	terminated	
19	19	Z0-	TWIN AXIAL 7
6	6	Z0+	
18	18	Z1-	TWIN AXIAL 8
5	5	Z1+	
17	17	Z2-	TWIN AXIAL 9
4	4	Z2+	
16	16	Zclk-	TWIN AXIAL 10
3	3	Zclk+	
15	15	Z3-	TWIN AXIAL 11
2	2	Z3+	
1	1	Power	INDIVIDUAL WIRE 1
26	26	Power	INDIVIDUAL WIRE 2
13	13	INNER SHIELD	DRAIN WIRE
14	14	INNER SHIELD	
Shell	Shell	BRAID SHIELD	

1MG26-LFW0-00C-xxx
CAMERA LINK (NON POCL)
FOR ALL CONFIGURATIONS
AND FIXED USE

CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
25	25	Y0-	TWIN AXIAL 1
12	12	Y0+	
24	24	Y1-	TWIN AXIAL 2
11	11	Y1+	
23	23	Y2-	TWIN AXIAL 3
10	10	Y2+	
22	22	Yclk-	TWIN AXIAL 4
9	9	Yclk+	
21	21	Y3-	TWIN AXIAL 5
8	8	Y3+	
20	20	100 ohm	TWIN AXIAL 6
7	7	terminated	
19	19	Z0-	TWIN AXIAL 7
6	6	Z0+	
18	18	Z1-	TWIN AXIAL 8
5	5	Z1+	
17	17	Z2-	TWIN AXIAL 9
4	4	Z2+	
16	16	Zclk-	TWIN AXIAL 10
3	3	Zclk+	
15	15	Z3-	TWIN AXIAL 11
2	2	Z3+	
1	1	INNER SHIELD	DRAIN WIRE
13	13	INNER SHIELD	
14	14	INNER SHIELD	
26	26	INNER SHIELD	
Shell	Shell	BRAID SHIELD	



CN1 CAMERA SIDE

CN2 FRAME GRABBER BOARD SIDE

TABLE-3 CABLE TYPE AND DIAMETER

CABLE TYPE FOR	USE FOR	POWER OPTION	CONFIGURATION	CABLE DIAMETER "D" [mm]	COLOR
1MK26-3FW0	FIXED	POCL / CAMERA LINK	MEDIUM,BASE	6.9	GRAY
1MK26-RFW0	FLEX MOTION	POCL / CAMERA LINK	MEDIUM,BASE	8.7	BLACK
1MN26-LFW0	FIXED	POCL / CAMERA LINK	80BIT,74BIT,FULL,MEDIUM,BASE	9.0	BEIGE
1MG26-LFW0	FIXED	CAMERA LINK (NON POCL)	80BIT,74BIT,FULL,MEDIUM,BASE	9.0	BEIGE

TOLERANCES EXCEPT AS NOTED	DFTG S.YOKOYAMA	DATE 10/27/23	3M	3M Center St. Paul, MN 55144	DIVISION EMSD	MODEL
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FSCM NO.		SIZE A3	DRAWING NO. 78-5100-2799-4		REV. A	
SCALE		DET LISTS ☐ YES ☐ NO		SHT 2 OF 4		

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ORDERING INFORMAION AND PRODUCT SELECTION TREE

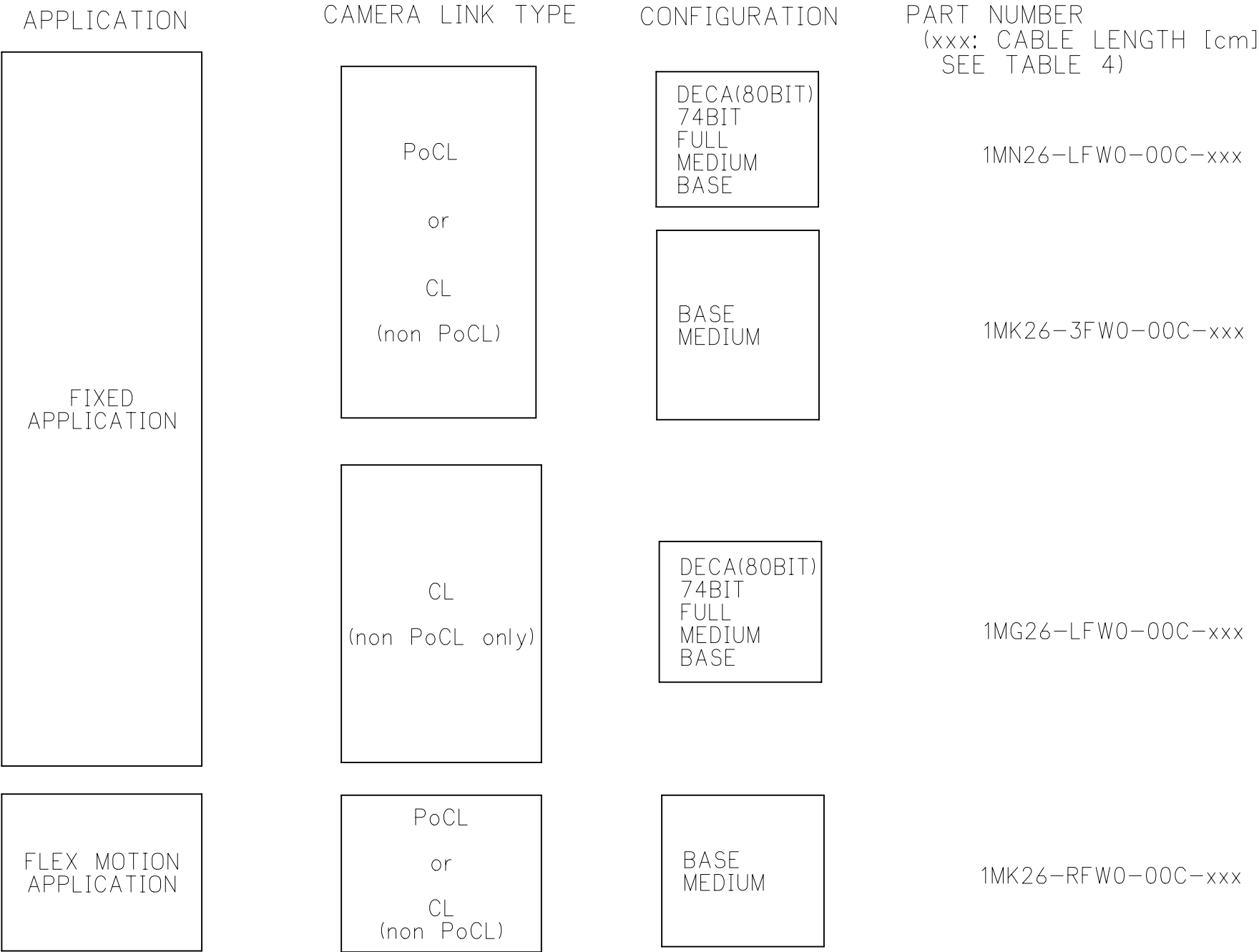


TABLE-4: CABLE LENGTH CONVERSION CHART

A	10	H	17	R	24
B	11	J	18	S	25
C	12	K	19	T	26
D	13	L	20	V	27
E	14	M	21	W	28
F	15	N	22	Y	29
G	16	P	23	Z	30

Example
050: 50cm
B60: 1160cm

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THIRD ANGLE PROJECTION		SCALE		DET LISTS ☐ YES ☐ NO		SHT 3 OF 4

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3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect

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REV.	ECO	ISSUE DATE AND DESCRIPTION					DRFT	CHKD
DFTG		S.YOKOYAMA		DATE		10/27/23		
CHKD		M.NAITOU		DATE		10/27/23		
MFG				DATE				
APPVL		Y.KAWATE		DATE		10/27/23		
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