

4

3

2

1

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REVISIONS

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P	LTR	DESCRIPTION	DATE	DWN	APVD
J		REVISED PER ECR-18-009764	25SEP2018	BW	CX
K		REVISED PER ECR-24-230684	31OCT2025	CKN	XC

2.50
5.90

2.50 PITCH
2.5X(N-1)=M
7.00

1 GENERAL TOLERANCE: ± 0.3 , $\pm 3^\circ$
 2 MATERIAL: 66NYLON GF (UL94V-0)
 3 MATING CONN. P/N: SEE TABLE
 4 APPLICABLE PCB HOLE DIA: $\varnothing A$
 PUNCHED HOLE: $0.7^{+0.1}_0$
 DRILLED HOLE: 0.9 ± 0.05

7.50
2 POS

TRADE MARK
CIRCUIT NO. 1
SECTION B-B

9.30
1.50
11.30
 $\varnothing 1.50$

1 POST CONTACT
2 HOUSING
SECTION A-A

FOR PART NO. SEE SHEET 3 OF 4, 4 OF 4

NO.	NAME	MATERIAL
1	POST CONTACT	BRASS, FINISH: TIN, OVER NI
2	HDR HOUSING	66 NYLON GF UL94V-0

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DIMENSIONS:
mmTOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC	\pm
1 PLC	\pm
2 PLC	\pm
3 PLC	\pm
4 PLC	\pm
ANGLES	\pm
FINISH	-

MATERIAL
SEE NOTE

DWN LILY LIU 29JAN08

CHK A. OISHI 29JAN08

APVD S. MANABE 29JAN08

PRODUCT SPEC

108-78307

APPLICATION SPEC

114-5359

WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME
GRACE INERTIA CONNECTOR 2.5 HDR ASSY
TIN VERSION

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A300779 C-1871843

SCALE 5:1 SHEET 1 OF 4 REV K

1470-19 (3/13)

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P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

2.50

5.00

7.50

10.00

12.50

2 POS

3 POS

4 POS

5 POS

6 POS

17.50

8 POS

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DWN LILY LIU 29JAN08

CHK A. OISHI 29JAN08

APVD S. MANABE 29JAN08

PRODUCT SPEC

108-78307

APPLICATION SPEC

114-5359

WEIGHT -

CUSTOMER DRAWING

DIMENSIONS:
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ±
4 PLC ±
ANGLES ±
FINISH -

MATERIAL SEE NOTE

TE Connectivity

NAME GRACE INERTIA CONNECTOR 2.5 HDR ASSY TIN VERSION

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A300779 C-1871843

SCALE 5:1 SHEET 2 OF 4 REV K

1470-19 (3/13)

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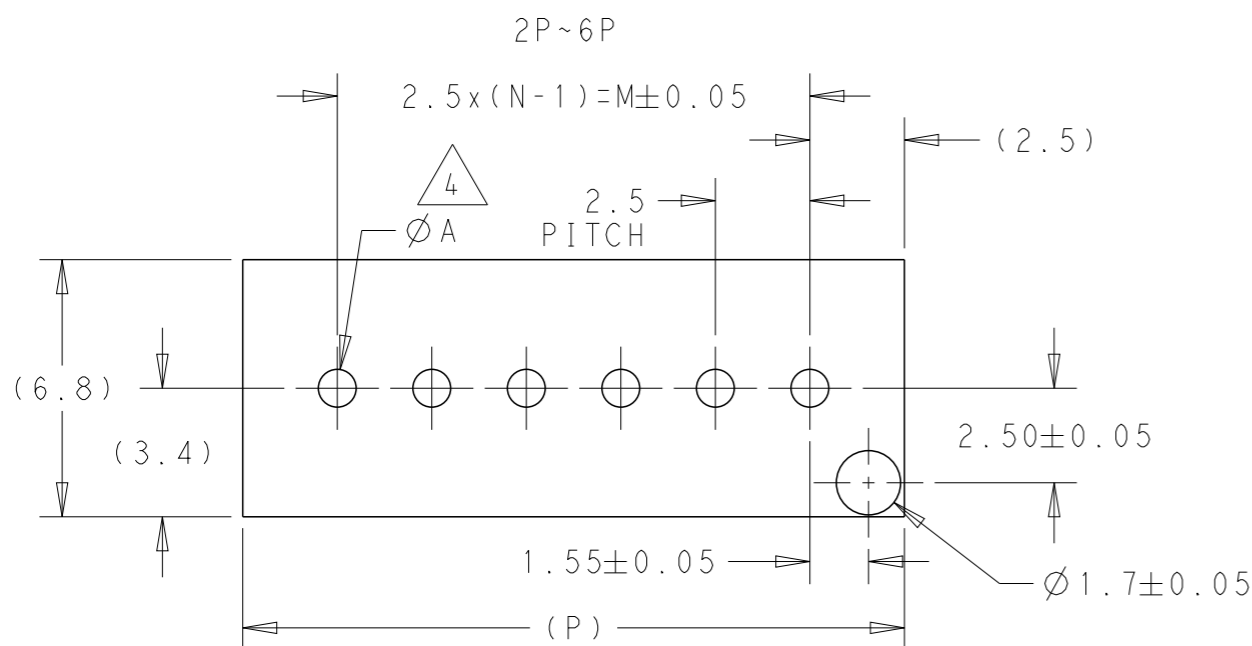
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P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



MATING CONN P/N	8	7	6	5	4	3	2	1	HOUSING POS	M	N	P	BOSS	COLOR	POS	PITCH	PART NUMBER	
X-1747066-6	*	*	*	*	*	*	*	*	6	12.5	6	17.5	WITH	BLUE	6	2.50	2-1871843-6	
	*	*	*	*	*	*	*	*	6	12.5	6	17.5	WITH	RED	6	2.50	1-1871843-6	
	*	*	*	*	*	*	*	*	6	12.5	6	17.5	WITH	NATURAL	6	2.50	1871843-6	
X-1747066-5	*	*	*	*	*	*	*	*	5	10	5	15.0	WITH	YELLOW	5	2.50	3-1871843-5	
	*	*	*	*	*	*	*	*	5	10	5	15.0	WITH	BLUE	5	2.50	2-1871843-5	
	*	*	*	*	*	*	*	*	5	10	5	15.0	WITH	RED	5	2.50	1-1871843-5	
X-1747066-4	*	*	*	*	*	*	*	*	5	10	5	15.0	WITH	NATURAL	5	2.50	1871843-5	
	*	*	*	*	*	*	*	*	4	7.5	4	12.5	WITH	NATURAL	4	2.50	1871843-4	
	*	*	*	*	*	*	*	*	4	7.5	4	12.5	WITH	NATURAL	4	2.50	1871843-4	
X-1747066-3	*	*	*	*	*	*	*	*	3	5	3	10.0	WITH	YELLOW	3	2.50	3-1871843-3	
	*	*	*	*	*	*	*	*	3	5	3	10.0	WITH	BLUE	3	2.50	2-1871843-3	
	*	*	*	*	*	*	*	*	3	5	3	10.0	WITH	RED	3	2.50	1-1871843-3	
X-1747066-2	*	*	*	*	*	*	*	*	3	5	3	10.0	WITH	NATURAL	3	2.50	1871843-3	
	*	*	*	*	*	*	*	*	2	2.5	2	7.5	WITH	BLACK	2	2.50	4-1871843-2	
	*	*	*	*	*	*	*	*	2	2.5	2	7.5	WITH	YELLOW	2	2.50	3-1871843-2	
X-1747066-2	*	*	*	*	*	*	*	*	2	2.5	2	7.5	WITH	BLUE	2	2.50	2-1871843-2	
	*	*	*	*	*	*	*	*	2	2.5	2	7.5	WITH	RED	2	2.50	1-1871843-2	
	*	*	*	*	*	*	*	*	2	2.5	2	7.5	WITH	NATURAL	2	2.50	1871843-2	
MATING CONN P/N	8	7	6	5	4	3	2	1	HOUSING POS	M	N	P	BOSS	COLOR	POS	PITCH	PART NUMBER	
	CIRCUIT NO.																	

POST CONATCT POSITION
 * : POST CONATCT,
 - : VACANCY

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DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ±-
	1 PLC ±-
	2 PLC ±-
	3 PLC ±-
	4 PLC ±-
	ANGLES ±-
MATERIAL SEE NOTE	FINISH -

DWN LILY LIU 29JAN08	 TE Connectivity NAME GRACE INERTIA CONNECTOR 2.5 HDR ASSY TIN VERSION - SIZE CAGE CODE DRAWING NO RESTRICTED TO A300779 C-1871843 SCALE 5:1 SHEET 3 OF 4 REV K
CHK A. OISHI 29JAN08	
APVD S. MANABE 29JAN08	
PRODUCT SPEC 108-78307	
APPLICATION SPEC 114-5359	
WEIGHT -	
CUSTOMER DRAWING	

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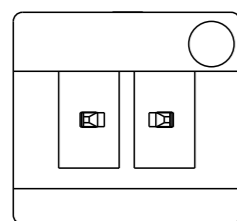
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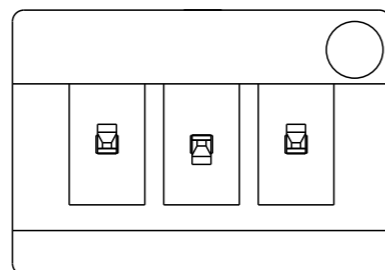
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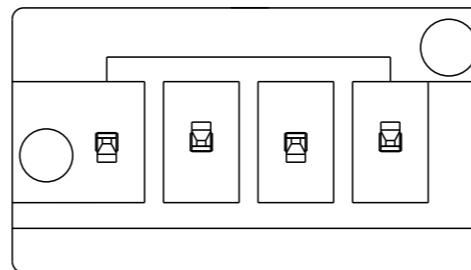
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



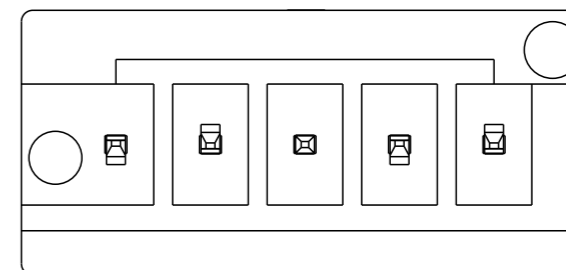
2POS



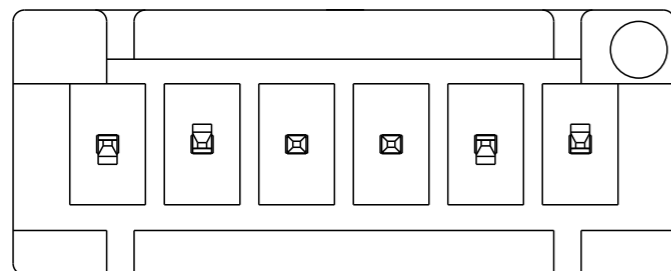
3POS



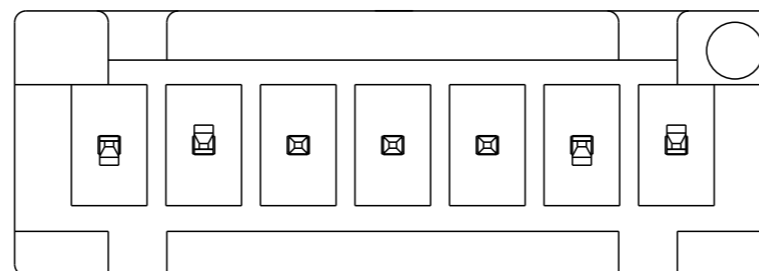
4POS



5POS



6POS



7POS



8POS

X-1747066-6			*	*	-	*	-	*	6	12.5	6	17.5	WITH	NATURAL	4	2.5/5.0	2069625-1
X-1747066-4					*	-	-	*	4	7.5	4	12.5	WITH	NATURAL	4	2.50	2134303-1
X-1747066-3						*	-	*	3	5.0	3	10.0	WITH	NATURAL	2	5.00	2013523-1
X-1747066-8	*	*	*	*	*	*	*	*	8	17.5	8	22.5	WITH	YELLOW	8	2.50	3-1871843-8
	*	*	*	*	*	*	*	*	8	17.5	8	22.5	WITH	BLUE	8	2.50	2-1871843-8
	*	*	*	*	*	*	*	*	8	17.5	8	22.5	WITH	RED	8	2.50	1-1871843-8
	*	*	*	*	*	*	*	*	8	17.5	8	22.5	WITH	NATURAL	8	2.50	1871843-8
MATING CONN P/N	8	7	6	5	4	3	2	1	HOUSING POS	M	N	P	BOSS	COLOR	POS	PITCH	PART NUMBER
	CIRCUIT NO.																

POST CONTACT POSITION
 *: POST CONTACT,
 -: VACANCY

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DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
	0 PLC ±-
	1 PLC ±-
	2 PLC ±-
	3 PLC ±-
	4 PLC ±-
	ANGLES ±-
MATERIAL	FINISH
SEE NOTE	-
-	-

DWN	LILY LIU	29JAN08
CHK	A. OISHI	29JAN08
APVD	S. MANABE	29JAN08
PRODUCT SPEC	108-78307	
APPLICATION SPEC	114-5359	
WEIGHT	-	
CUSTOMER DRAWING		

STE TE Connectivity

NAME: GRACE INERTIA CONNECTOR 2.5 HDR ASSY TIN VERSION

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1871843	-

SCALE: 5:1 SHEET: 4 OF 4 REV: K