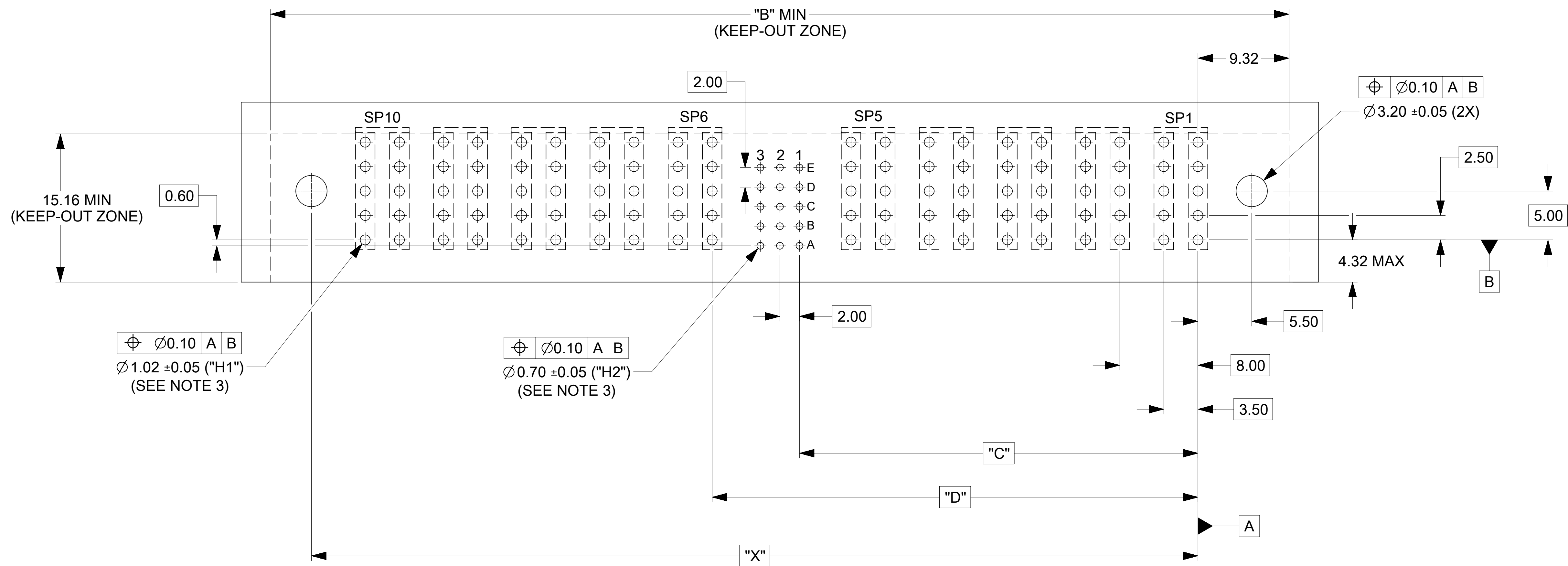


- NOTES:
- MATERIAL:
    - HOUSINGS: LCP UL94, V-0, COLOR: BLACK
    - TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
    - PLATING: 1.27 MICROMETER (50 MICROINCH) NICKEL OVERALL WITH 2.54 MICROMETER (100 MICROINCH) SELECTIVE TIN ON TAILS AND 0.762 MICROMETER (30 MICROINCH) SELECTIVE GOLD ON CONTACT AREA
  - PACKAGING: ASSEMBLIES TO BE TRAY PACKED PER PACKAGING SPEC: 1710901001-PK
  - PLATED THRU HOLE SIZE, REFER TO PS-171088-0000 FOR DETAILS
  - PRODUCT SPEC: PS-171088-0000
  - APPLICATION SPEC: AS-46436-100
  - PRODUCT TO MEET RoHS REQUIREMENTS
  - ASSEMBLY MATES TO MOLEX PLUG ASSEMBLY P/N 171088-\*\*\*\* (SEE TABLE IN SHEET 2)
  - TAIL DESIGN: COMPLIANT TAILS
  - POWER AND SIGNAL CONTACTS ARE LUBRICATED.
  - MOLEX LOGO TO BE LOCATED APPROXIMATELY AS SHOWN.

RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE FOR G-(1SP TO 5SP)-30S-(1SP TO 5SP)-G

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: ADDED ISO VIEWS
mm	3:1	
GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	± 0.5°	
4 PLACES	±	EC NO: 689821
3 PLACES	±	DRWN: KSUTAR 2021/12/15
2 PLACES	± 0.13	CHK'D: GJEEVANSURES 2021/12/22
1 PLACE	± 0.25	APPR: HTHYAGARAJ 2022/02/14
0 PLACES	±	INITIAL REVISION:
		DRWN: KSUTAR 2021/09/27
		APPR: HTHYAGARAJ 2021/11/08
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING SERIES
		D-SIZE 171090
MATERIAL NUMBER		CUSTOMER
SEE TABLE		GENERAL MARKET
DOCUMENT NUMBER		DOC TYPE DOC PART REVISION
1710908430		PSD 000 A1
SHEET NUMBER		1 OF 4



RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE FOR G-(1SP TO 5SP)-15S-(1SP TO 5SP)-G

REFER TO BELOW TABLE FOR DIMENSIONS.

FG P/N	CONFIGURATION	POWER CKT SIZE	SIGNAL CKT SIZE	DIM "A" (IN MM)	DIM "B" (IN MM)	DIM "C" (IN MM)	DIM "D" (IN MM)	DIM "X" (IN MM)	HOLES COUNT "H1"	HOLES COUNT "H2"	MATES WITH R/A PLUG ASSY P/N
1710908421	G-1SP-15S-1SP-G	1	15	39.21	40.21	8.78	17.71	26.71	20	15	1710888421
1710908422	G-2SP-15S-2SP-G	2	15	55.21	56.21	16.78	25.71	42.71	40	15	1710888422
1710908423	G-3SP-15S-3SP-G	3	15	71.21	72.21	24.78	33.71	58.71	60	15	1710888423
1710908424	G-4SP-15S-4SP-G	4	15	87.21	88.21	32.78	41.71	74.71	80	15	1710888424
1710908425	G-5SP-15S-5SP-G	5	15	103.21	104.21	40.78	49.71	90.71	100	15	1710888425
1710908426	G-1SP-30S-1SP-G	1	30	45.21	46.21	8.78	23.71	32.71	20	30	1710888426
1710908427	G-2SP-30S-2SP-G	2	30	61.21	62.21	16.78	31.71	48.71	40	30	1710888427
1710908428	G-3SP-30S-3SP-G	3	30	77.21	78.21	24.78	39.71	64.71	60	30	1710888428
1710908429	G-4SP-30S-4SP-G	4	30	93.21	94.21	32.78	47.71	80.71	80	30	1710888429
1710908430	G-5SP-30S-5SP-G	5	30	109.21	110.21	40.78	55.71	96.71	100	30	1710888430

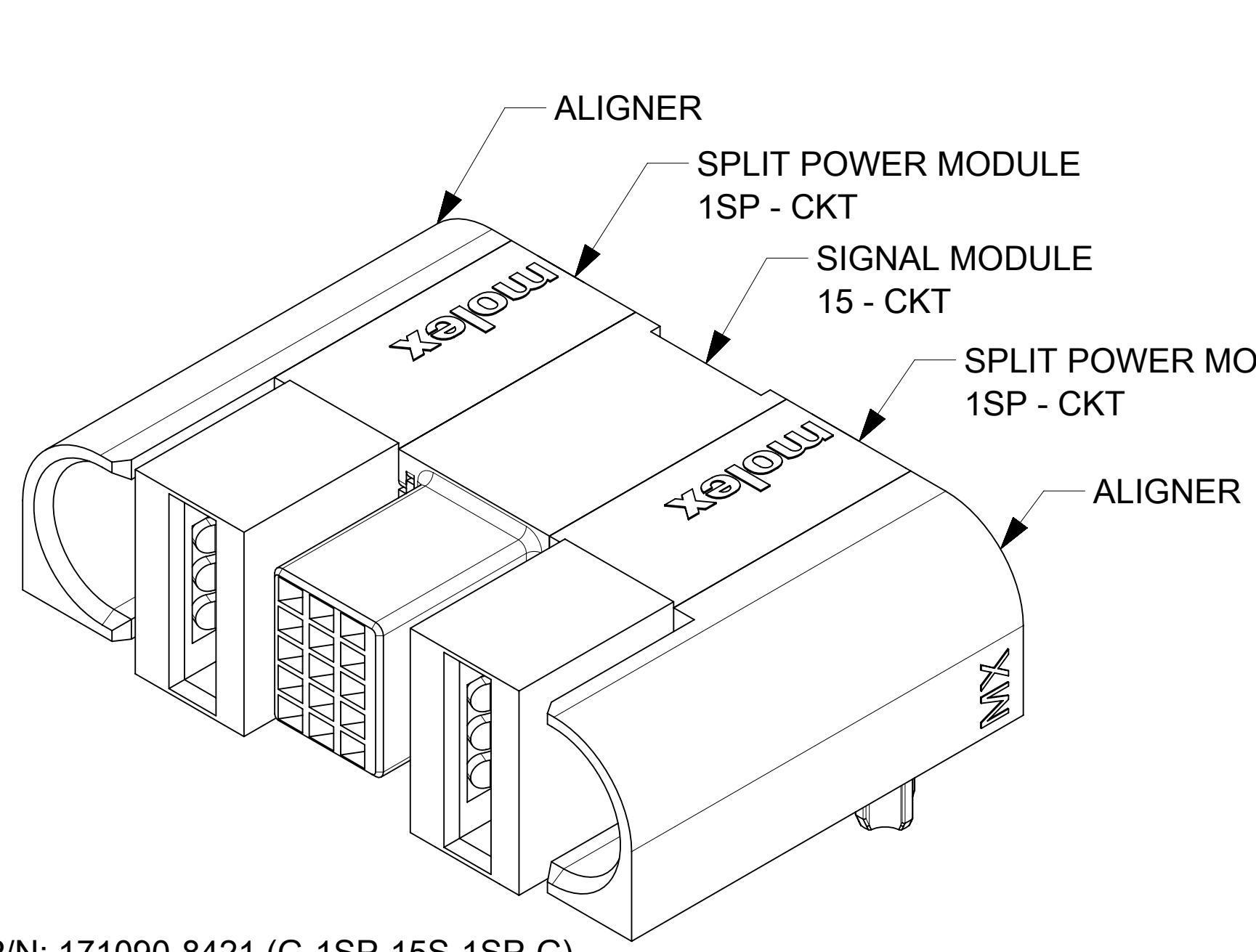
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS <b>mm</b>	SCALE <b>4:1</b>	CURRENT REV DESC: ADDED ISO VIEWS	
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 689821	
ANGULAR TOL	± 0.5°	DRWN: KSUTAR	2021/12/15
4 PLACES	±	CHK'D: GJEEVANSURES	2021/12/22
3 PLACES	±	APPR: HTHYAGARAJ	2022/02/14
2 PLACES	± 0.13	INITIAL REVISION:	
1 PLACE	± 0.25	DRWN: KSUTAR	2021/09/27
0 PLACES	±	APPR: HTHYAGARAJ	2021/11/08
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
			<b>D-SIZE</b>
		SERIES	<b>171090</b>
DOCUMENT STATUS		MATERIAL NUMBER	CUSTOMER
P1	RELEASE DATE	SEE TABLE	GENERAL MARKET
2022/02/14	09:02:32	SHEET NUMBER	
		<b>2 OF 4</b>	

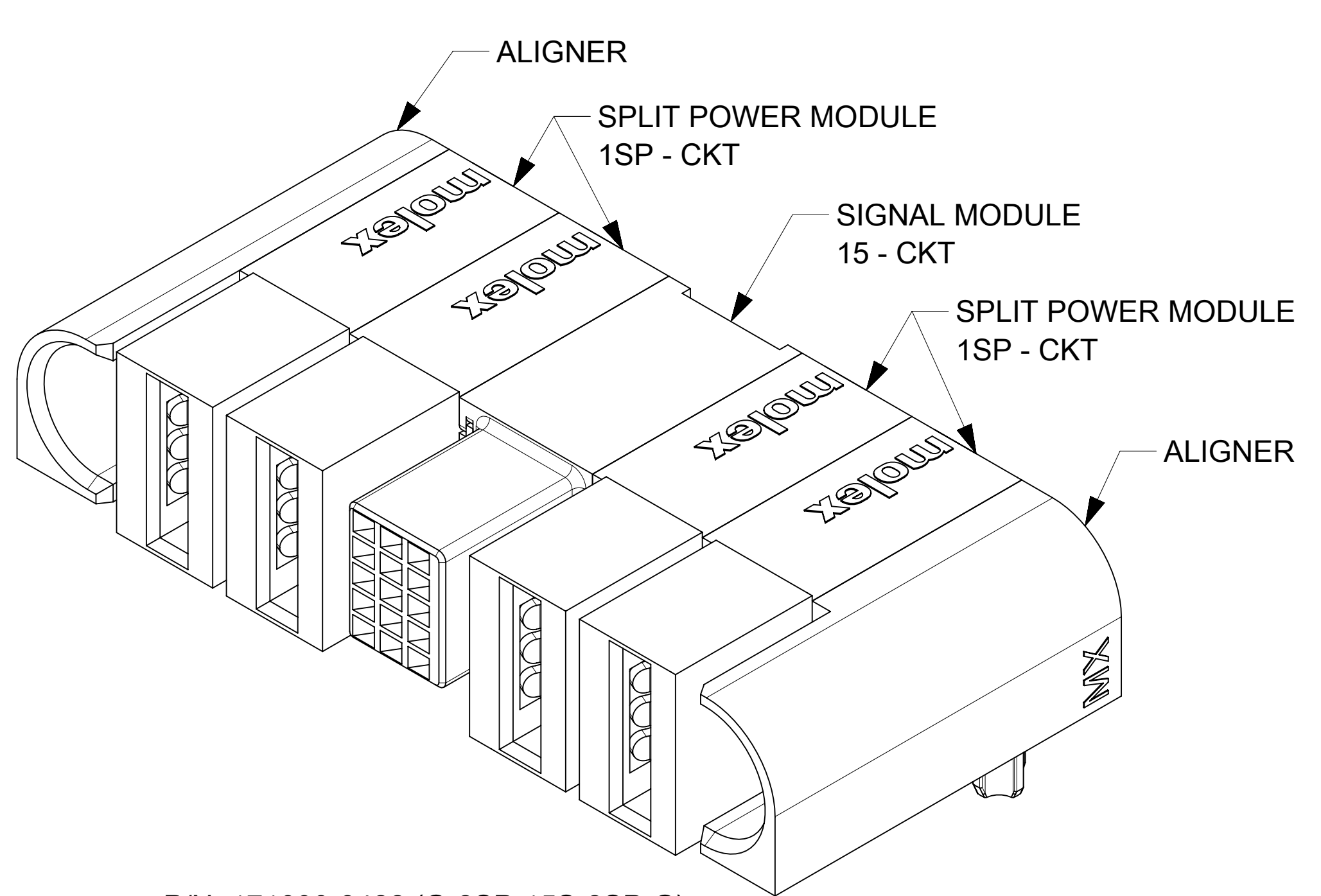
**G-\*SP-\*S-\*SP-G**  
R/A RECEP ASSY - TEN60 SPLIT POWER

PRODUCT CUSTOMER DRAWING

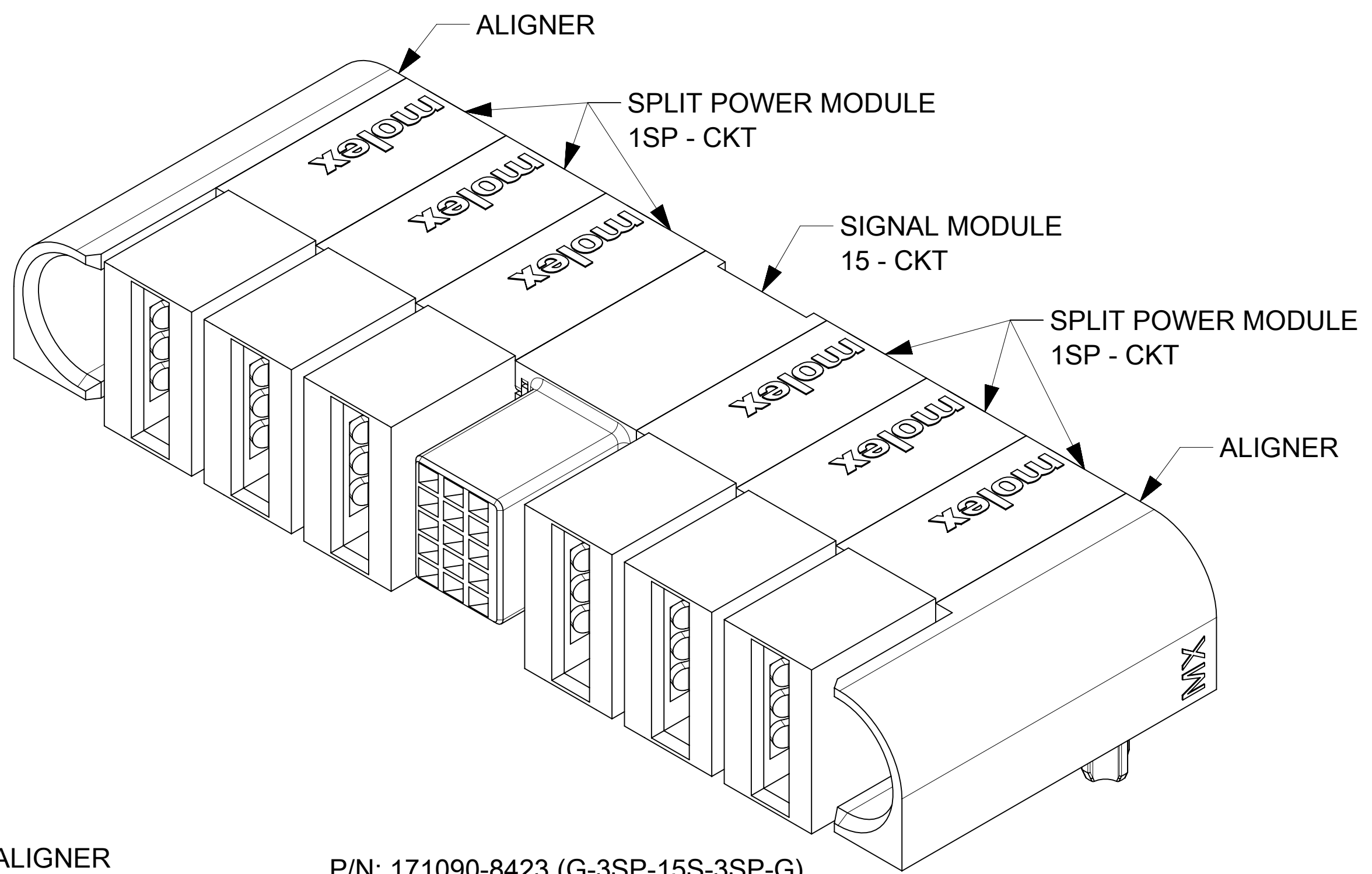
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<b>1710908430</b>	PSD	000	<b>A1</b>



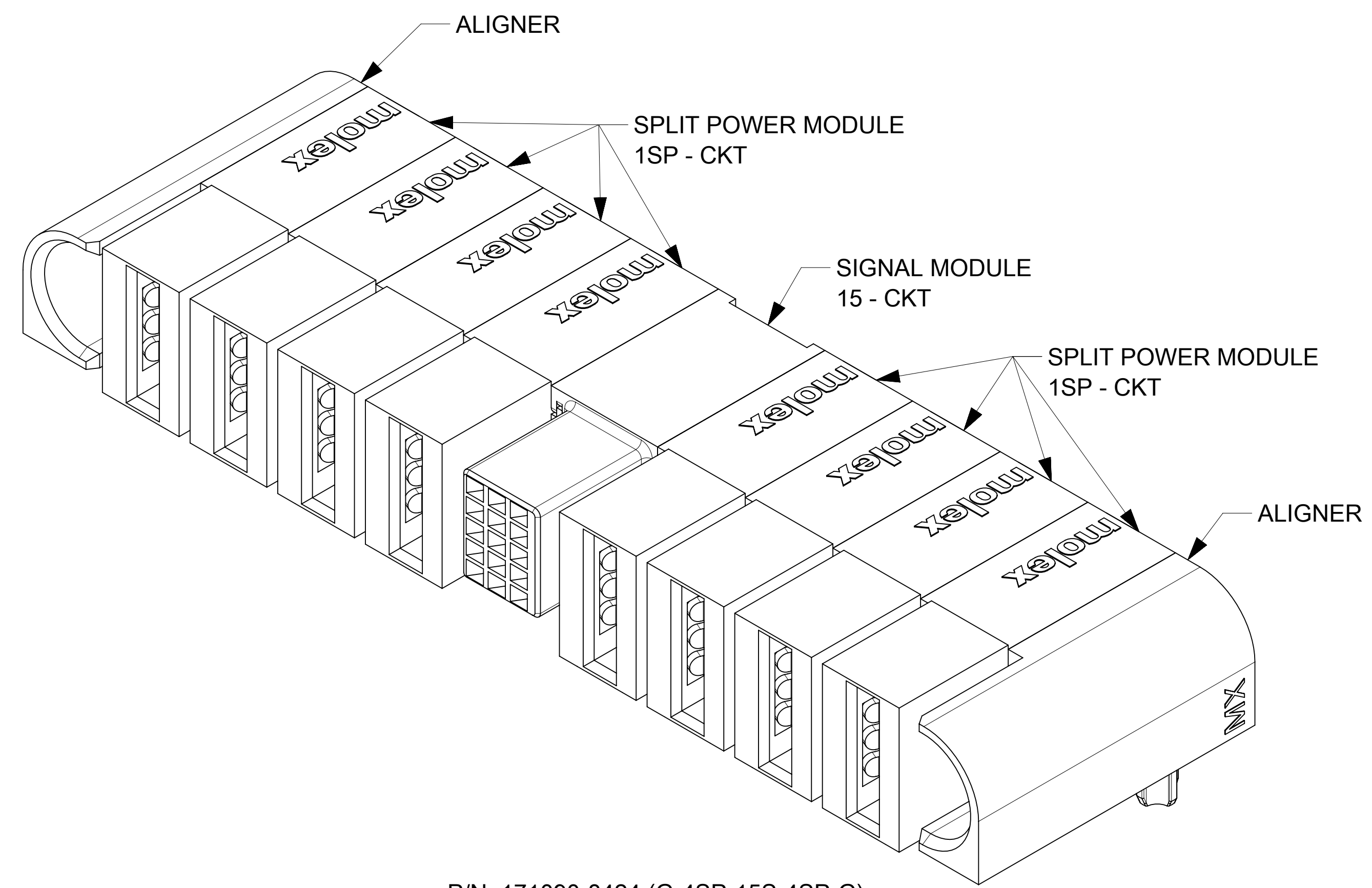
P/N: 171090-8421 (G-1SP-15S-1SP-G)



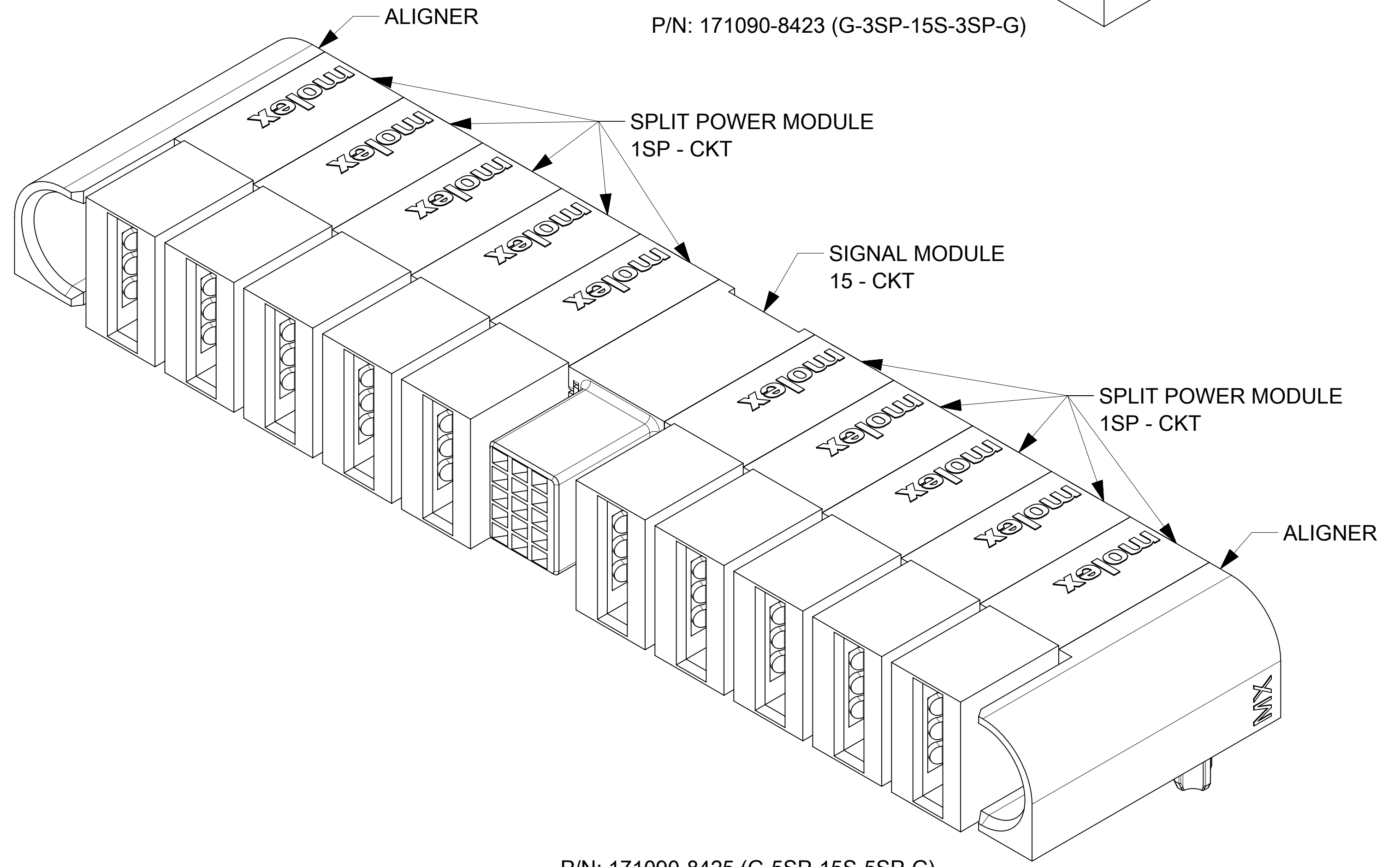
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P/N: 171090-8423 (G-3SP-15S-3SP-G)



P/N: 171090-8424 (G-4SP-15S-4SP-G)



P/N: 171090-8425 (G-5SP-15S-5SP-G)

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: ADDED ISO VIEWS							
mm		4:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL ± 0.5°											
4 PLACES ±				EC NO: 689821							
3 PLACES ±				DRWN: KSUTAR				2021/12/15			
2 PLACES ± 0.13				CHK'D: GJEEVANSURES				2021/12/22			
1 PLACE ± 0.25				APPR: HTHYAGARAJ				2022/02/14			
0 PLACES ±				INITIAL REVISION:							
				DRWN: KSUTAR				2021/09/27			
				APPR: HTHYAGARAJ				2021/11/08			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
		D-SIZE		171090		SEE TABLE		CUSTOMER		SHEET NUMBER	
						GENERAL MARKET				3 OF 4	

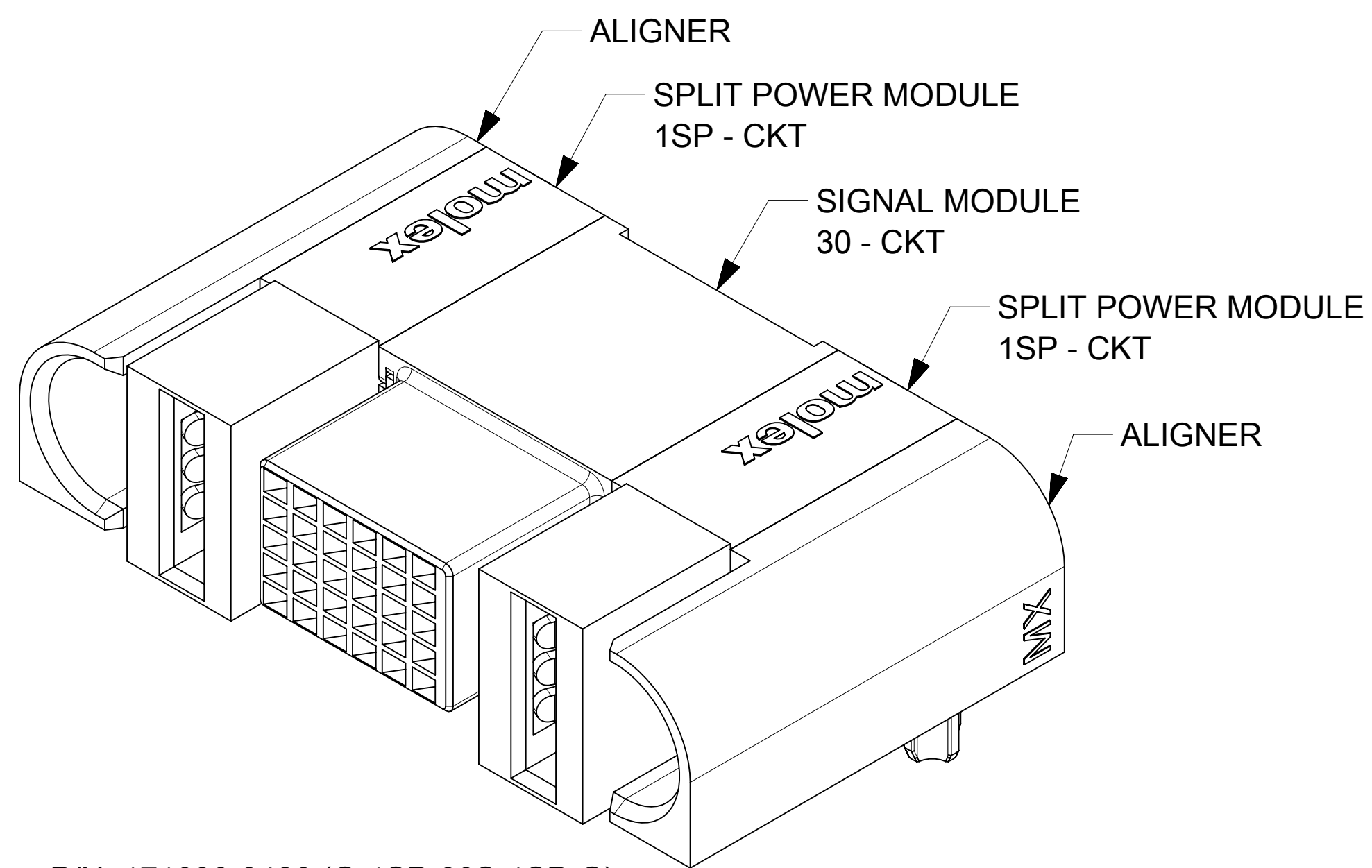
**molex**

G-\*SP-\*S-\*SP-G  
R/A RECEP ASSY - TEN60 SPLIT POWER

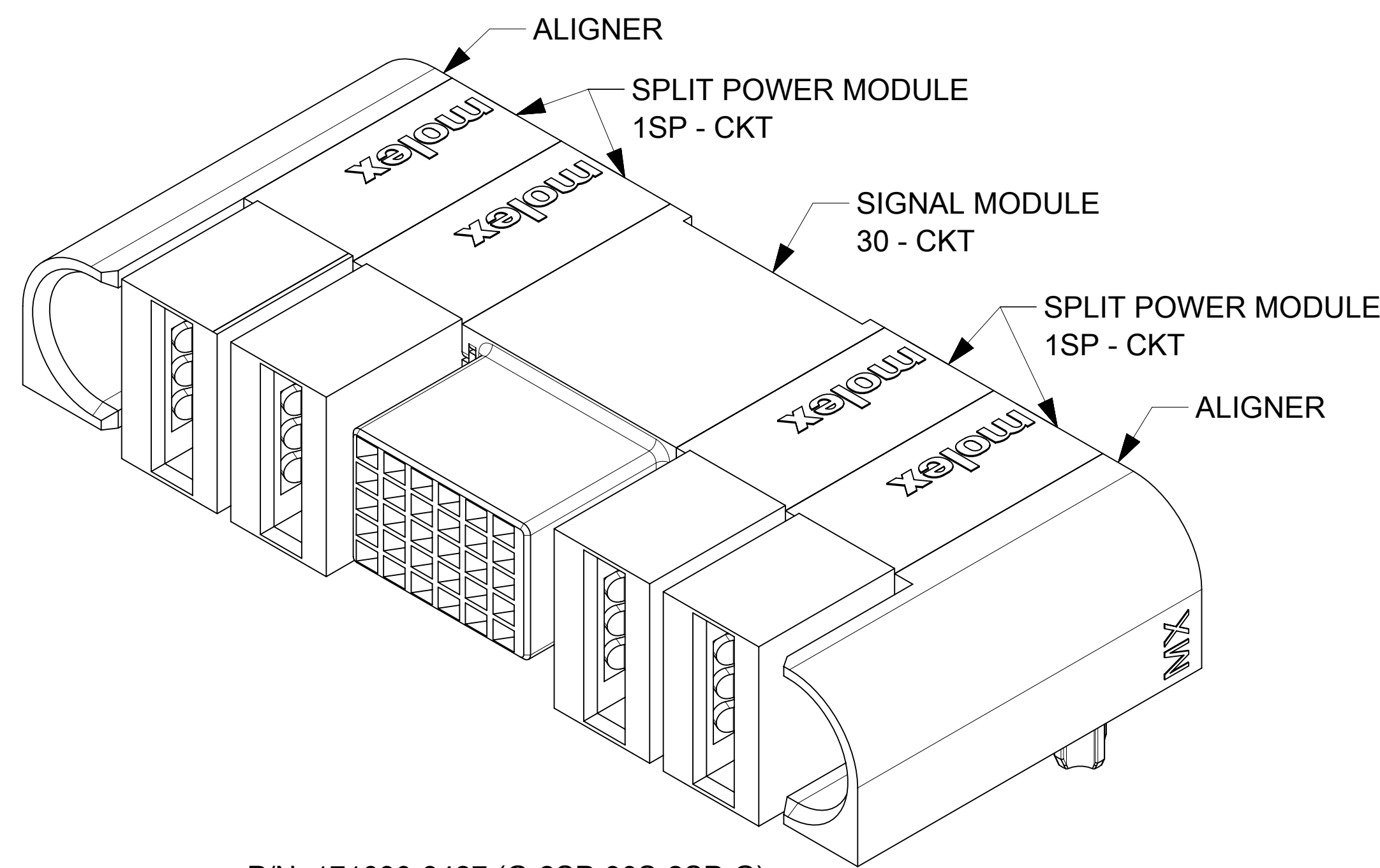
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1710908430	PSD	000	A1

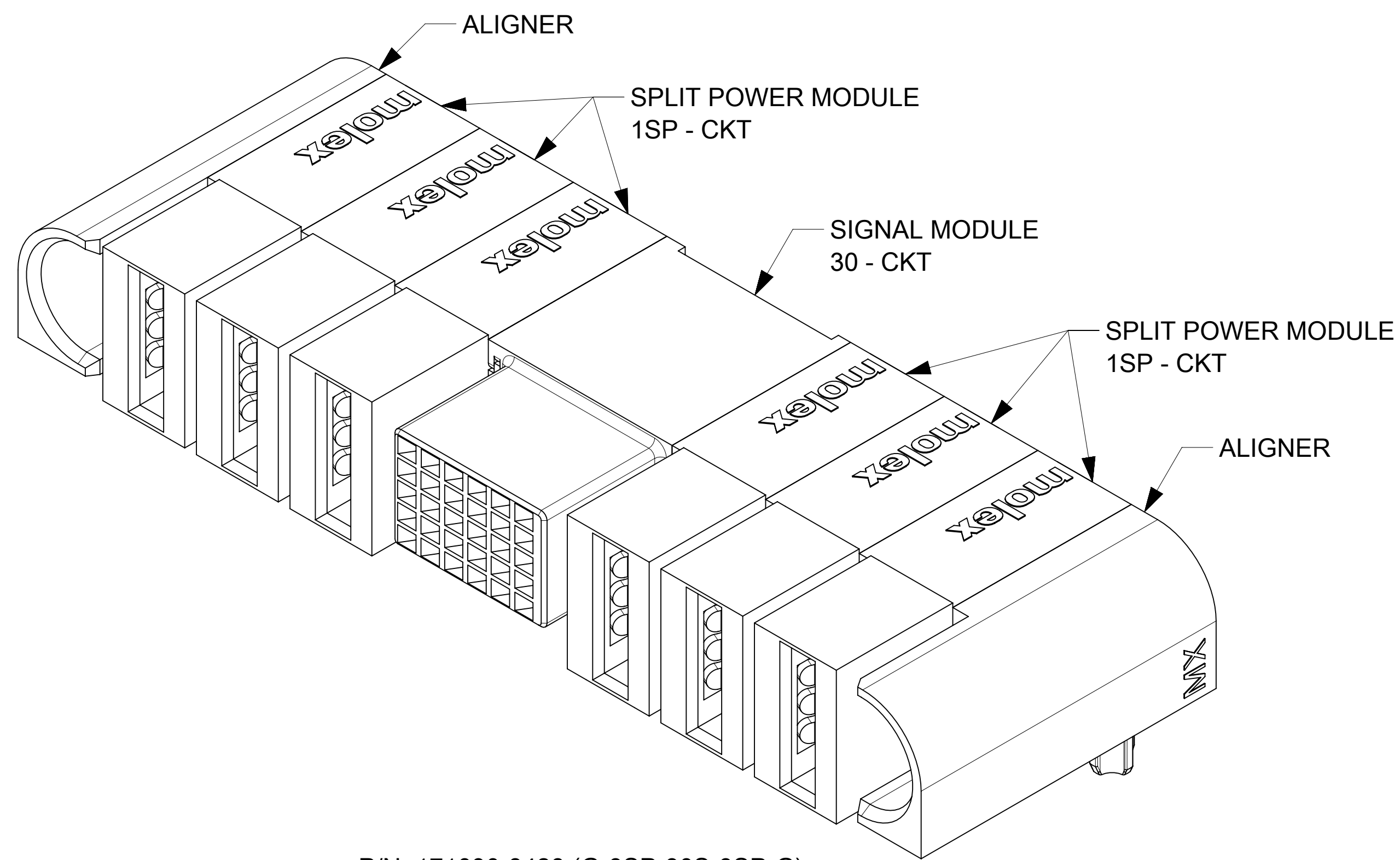
DOCUMENT STATUS	P1	RELEASE DATE	2022/02/14 09:02:32
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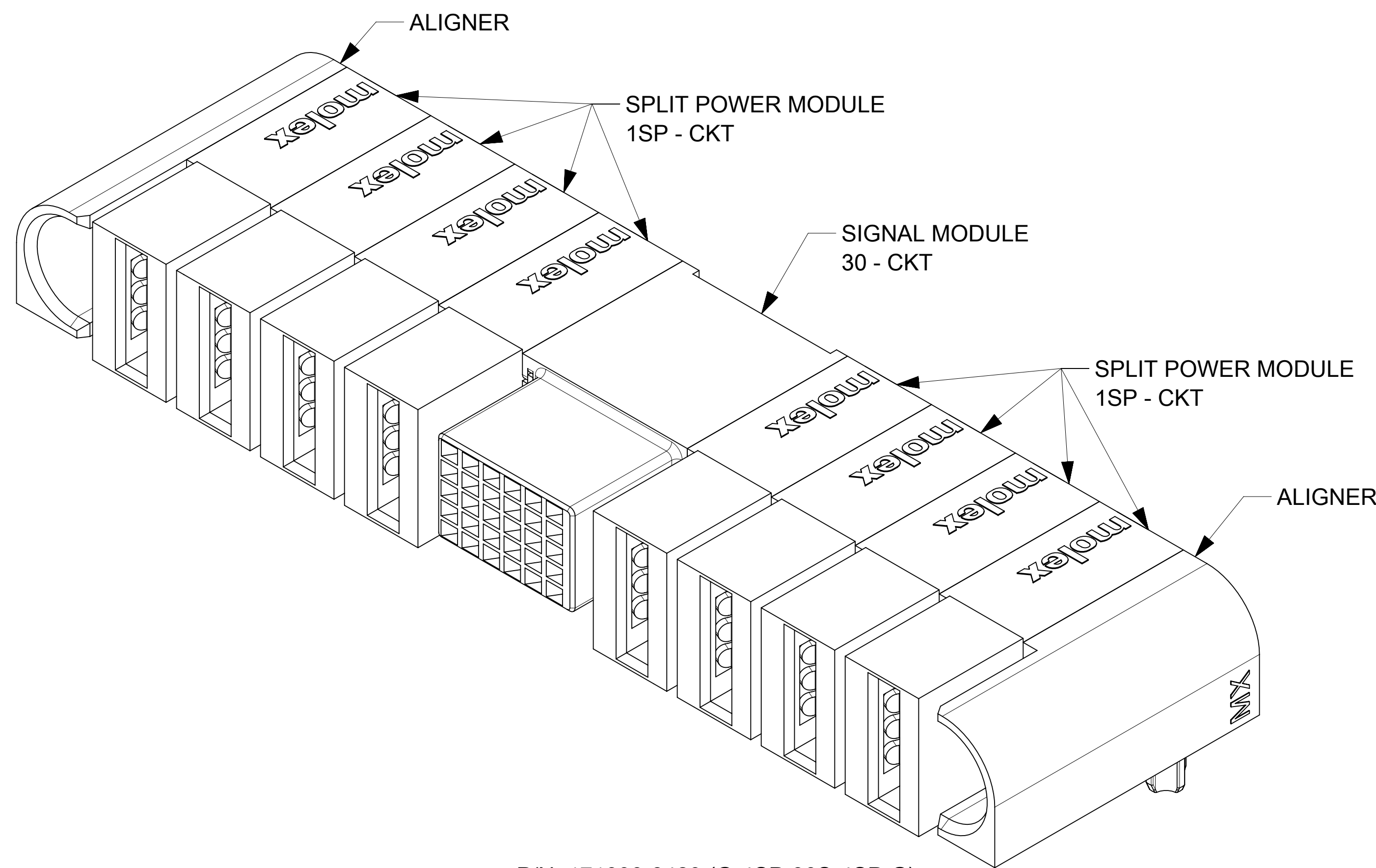
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P/N: 171090-8427 (G-2SP-30S-2SP-G)



P/N: 171090-8428 (G-3SP-30S-3SP-G)



P/N: 171090-8429 (G-4SP-30S-4SP-G)

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: ADDED ISO VIEWS							
mm		4:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL ± 0.5°				EC NO: 689821							
4 PLACES ±				DRWN: KSUTAR				2021/12/15			
3 PLACES ±				CHK'D: GJEEVANSURES				2021/12/22			
2 PLACES ± 0.13				APPR: HTHYAGARAJ				2022/02/14			
1 PLACE ± 0.25				INITIAL REVISION:							
0 PLACES ±				DRWN: KSUTAR				2021/09/27			
				APPR: HTHYAGARAJ				2021/11/08			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						D-SIZE		171090		SEE TABLE	
								CUSTOMER		SHEET NUMBER	
								GENERAL MARKET		4 OF 4	

**molex**

G-\*SP-\*S-\*SP-G  
R/A RECEP ASSY - TEN60 SPLIT POWER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1710908430	PSD	000	A1