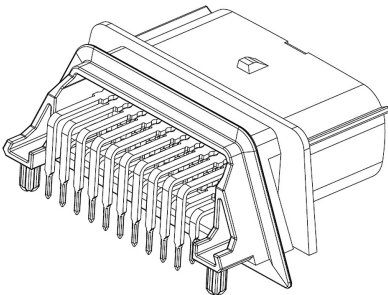




产品编号：[348302001](#)
Product Description：MX150 2x10 Dual Row
Right-Angle Header, 20 Circuits, Keying
Option A, Black, Solder Tail
系列号：34830
状态：Active
Product Category：PCB Headers and
Receptacles



文件和资源

图纸
[图纸 348302001_sd.pdf](#)

3D 模型和设计文件
[3D模型 348302001_stp.zip](#)

规格
[应用规格 AS-34829-001-001.pdf](#)
[产品规格 PS-34829-001-001.pdf](#)

产物环境合规

合规

GADSL/IMDS	Duty-To-Declare
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

[多部分产品合规性声明](#)
- Eu RoHS
- REACH SVHC
- Low-Halogen

[多部分行业合规性文件](#)
- IPC 1752A Class C
- IPC 1752A Class D

- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	PCB Headers and Receptacles
系列	34830
说明	MX150 2x10 Dual Row Right-Angle Header, 20 Circuits, Keying Option A, Black, Solder Tail
应用	Power, Wire-to-Board
元件类型	PCB Header
产品系列	MX150 Sealed and Unsealed Connector System
产品名称	MX150
UPC	884982573468

电气

每触点最大电流	Contact Molex
电压 - 最大	14V DC

物理

断开	否
回路数（已载入）	20
电路数（最多）	20
颜色-树脂	黑色
耐用性(插拔次数) - 最多次数	10
先接后断	否
符合灼热丝规范	否
可配插产品指南	否
插接极性	是
锁定插接部位	是
材料 - 金属	Copper Alloy

材料 - 接合部位电镀	Tin
材料 - 终端电镀	Tin
材料 - 树脂	PBT
净重	22.620/g
行数	2
方向	Right Angle
包装形式	Tray
推荐的 PCB 厚度	1.60mm
间距 - 插配接口	3.50mm
运行温度范围	-40° to +125° C
终端界面类型	Through Hole - Compliant Pin

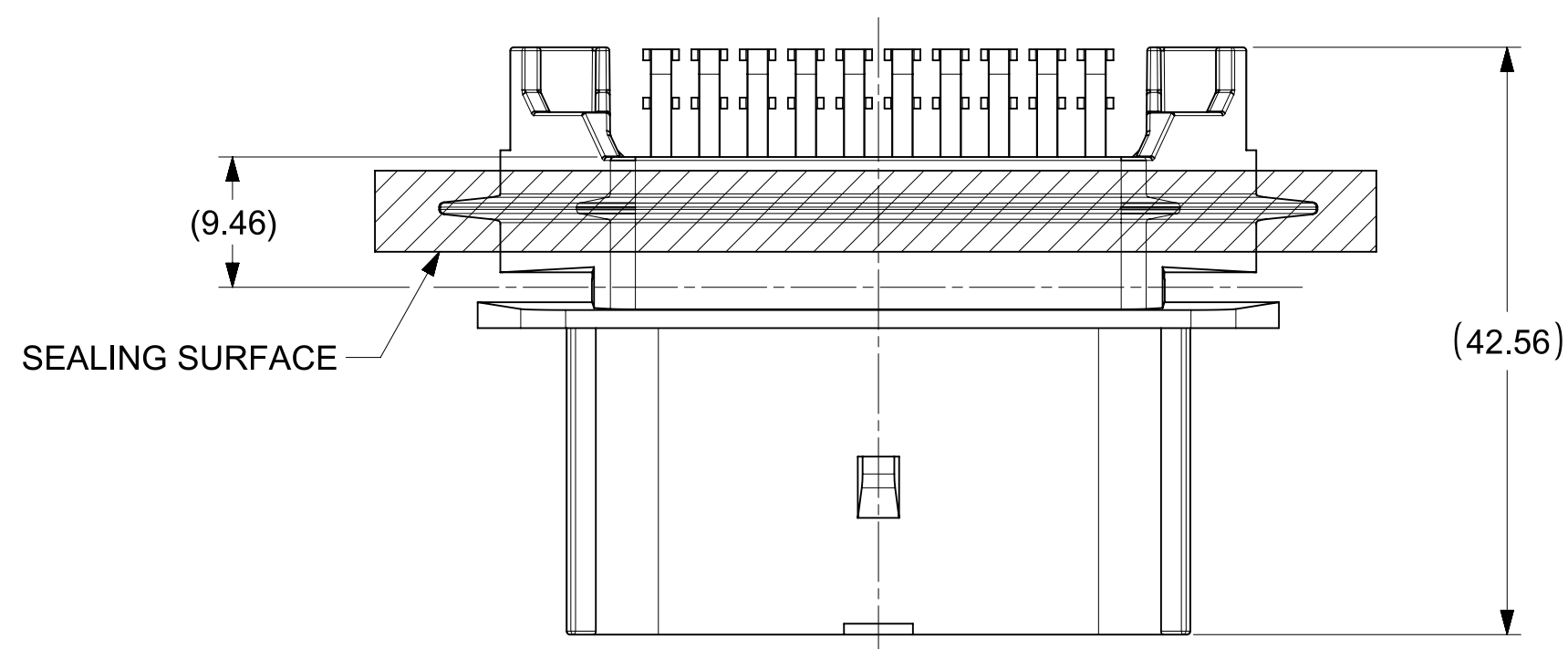
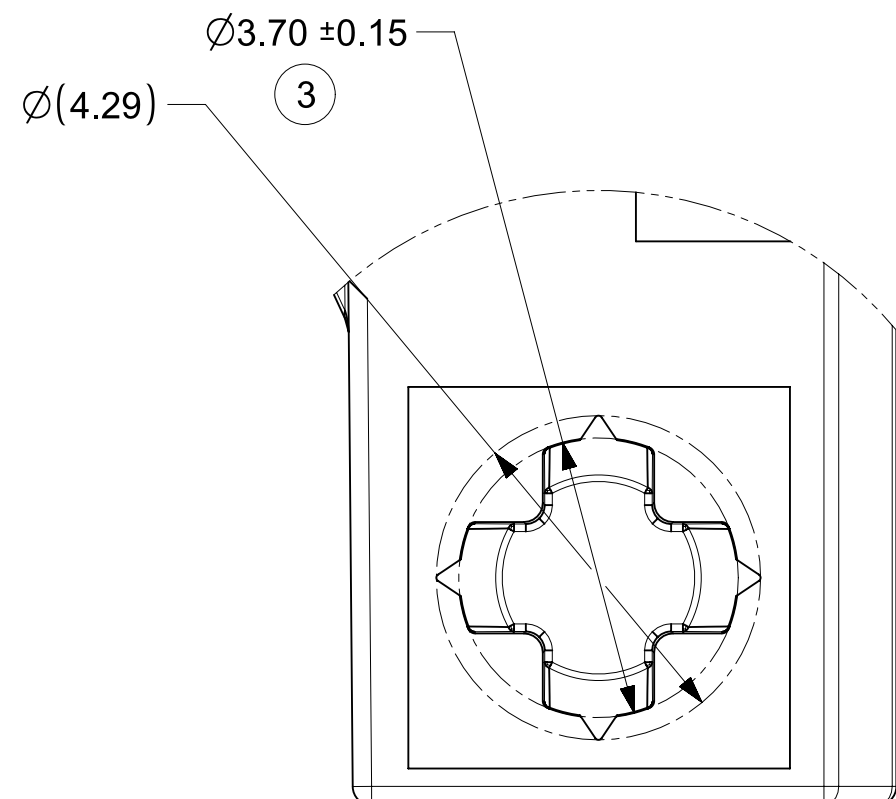
进程

最长持续时间	25
无铅	WAVE
最大周期	1
最高温度	260

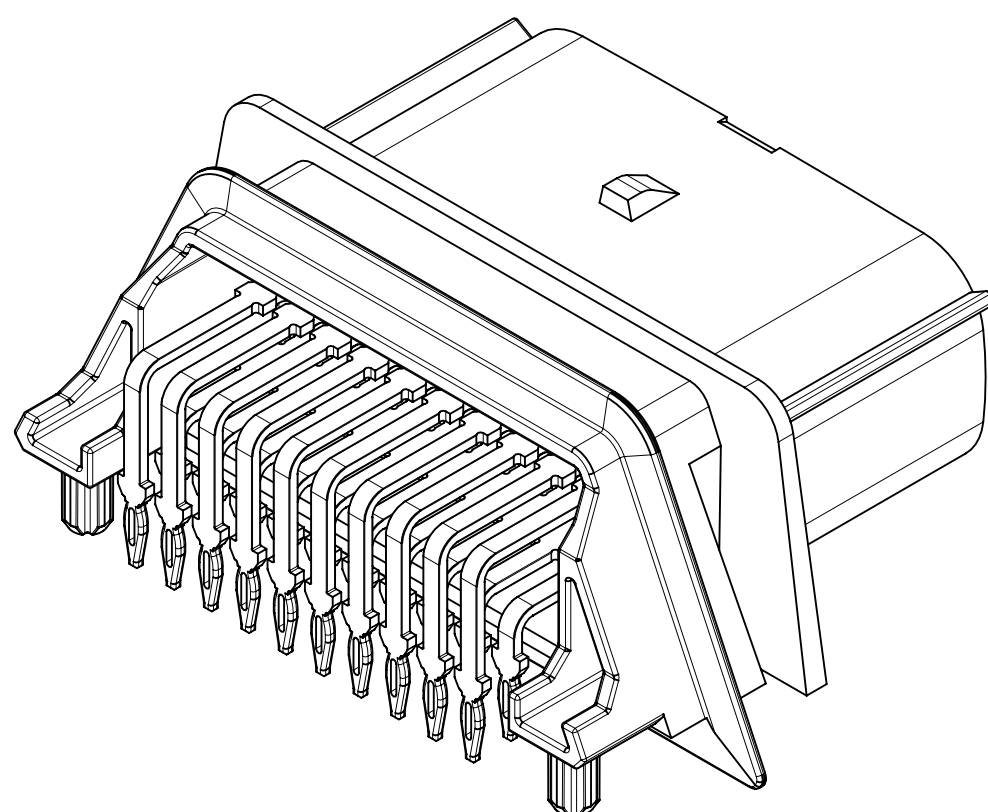
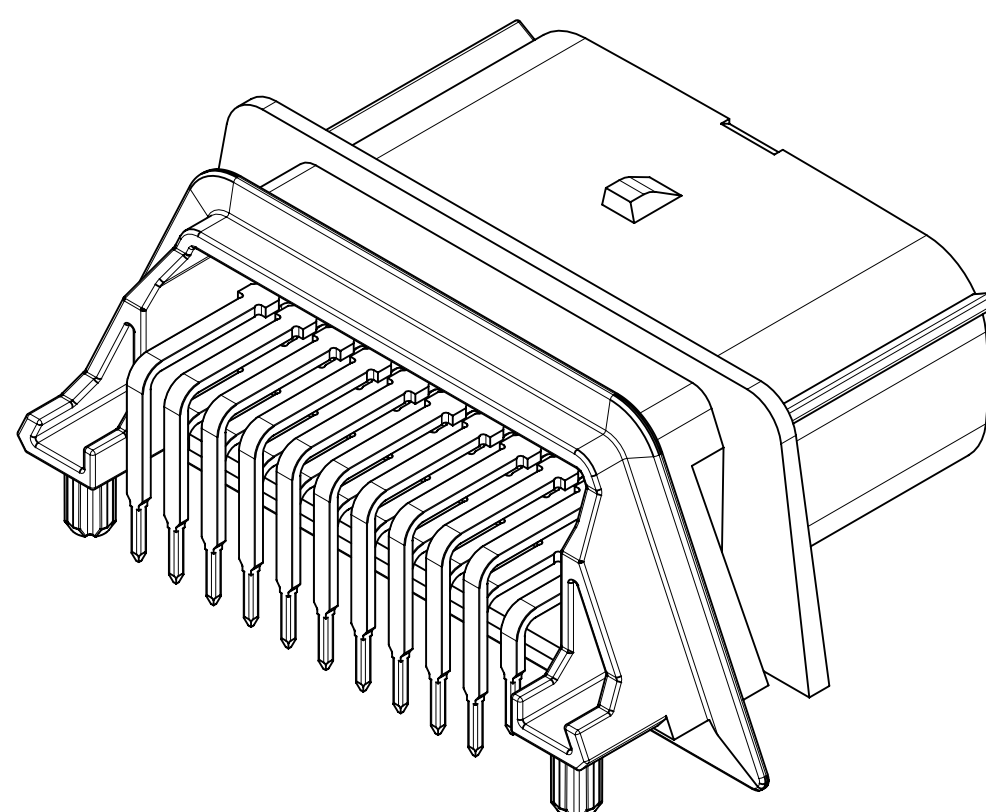
可配插/可连接使用的产品

可配插部件

描述	产品编号
MX150 Mat-Sealed Female Connector Assembly, Dual Row, 20 Circuits, Keying Option A, without Connector Position Assurance, Black	<u>0334722001</u>



DETAIL A
SCALE 10:1

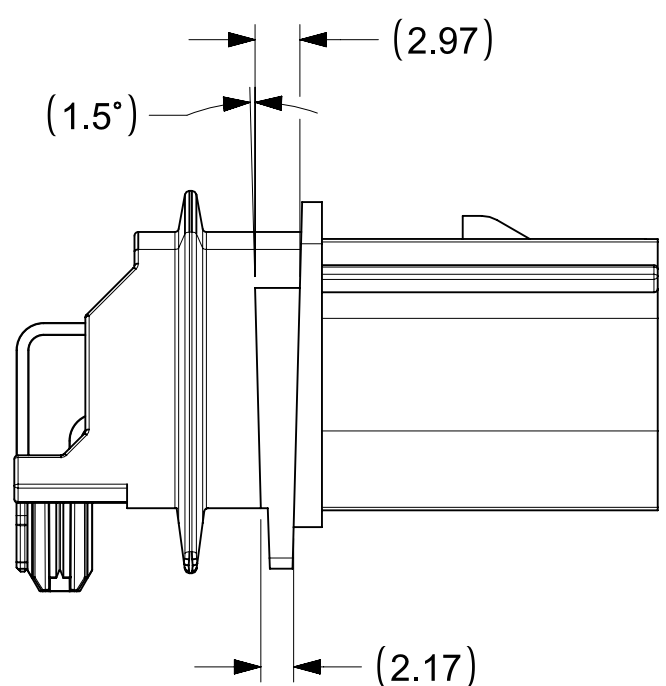
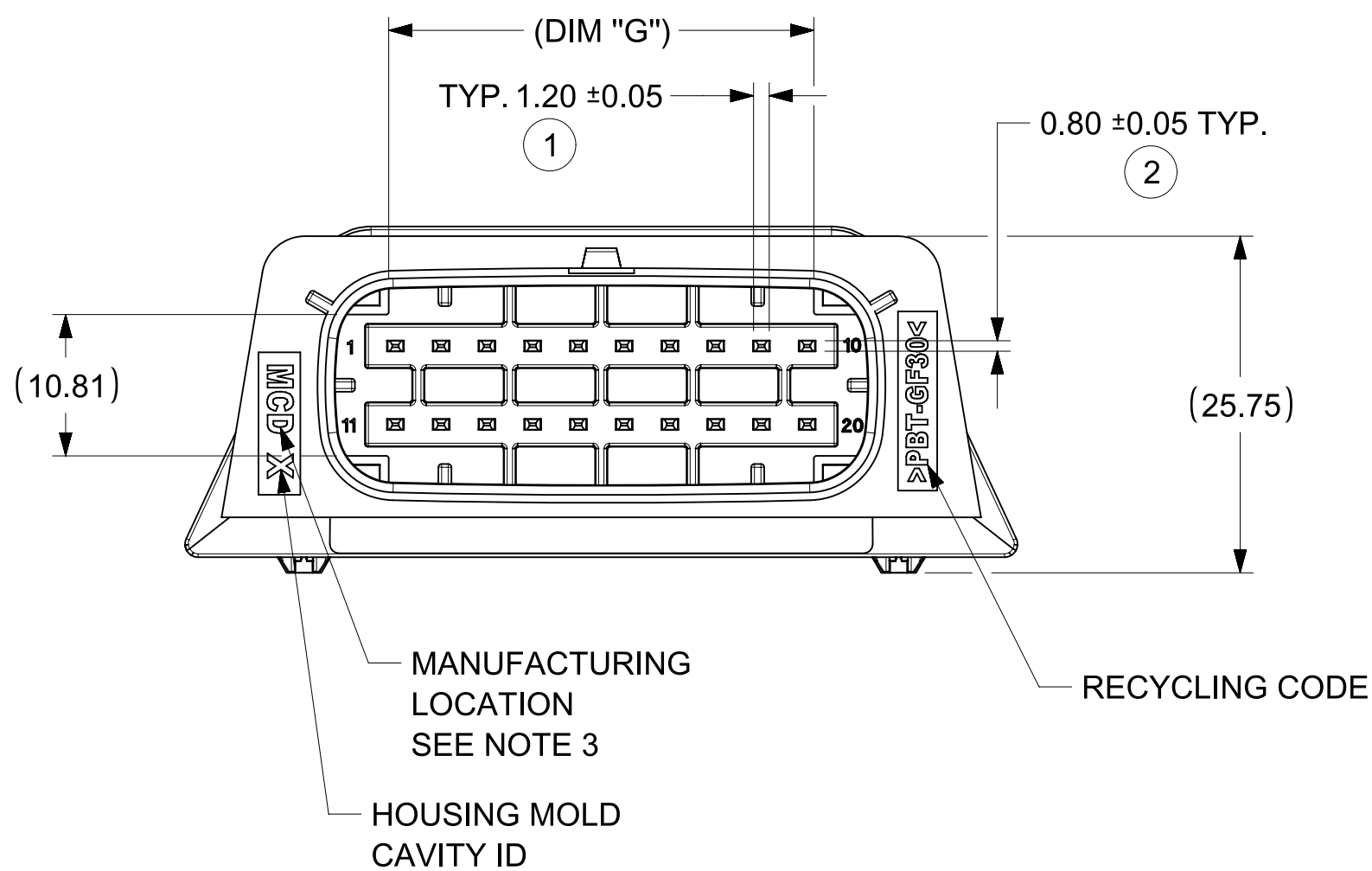
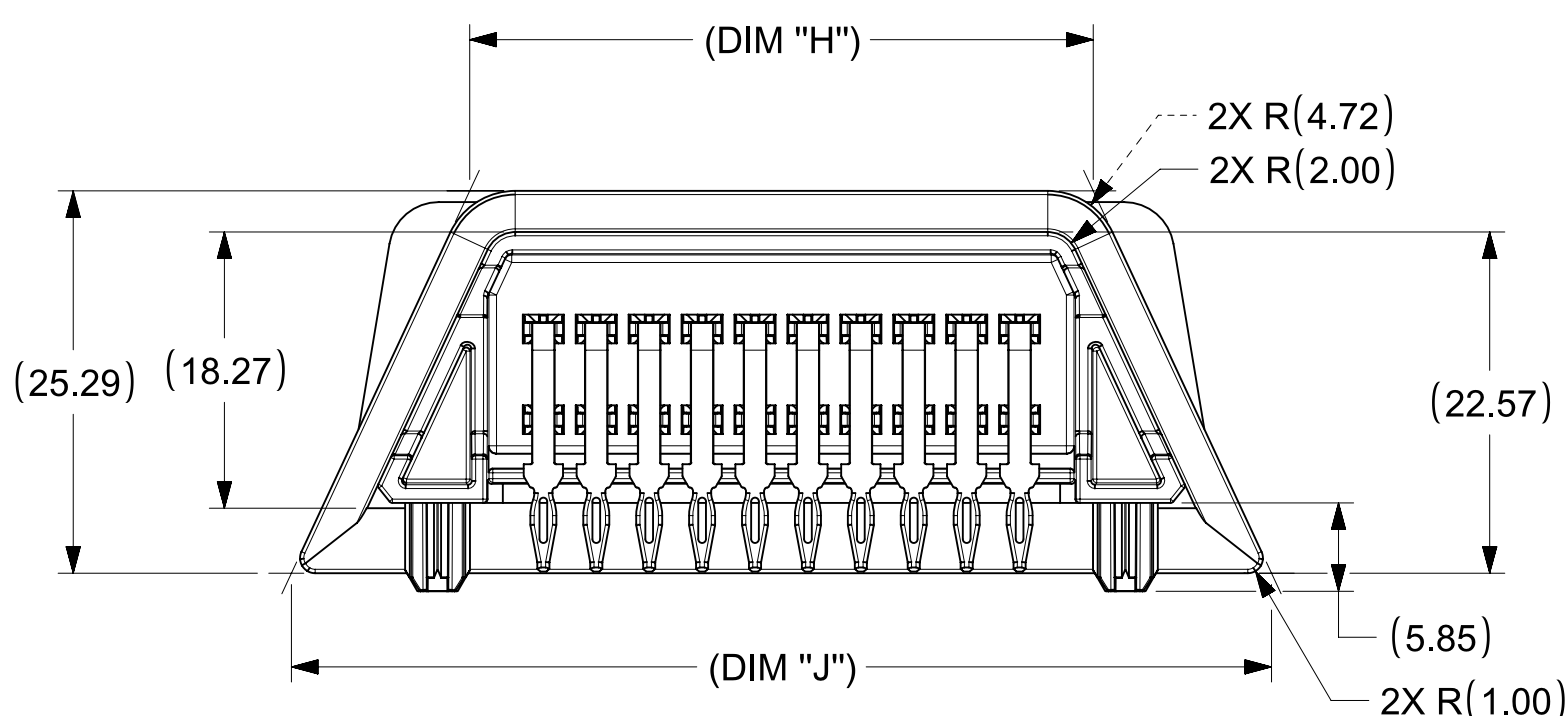


EON SHOWN
(2X10 SHOWN)

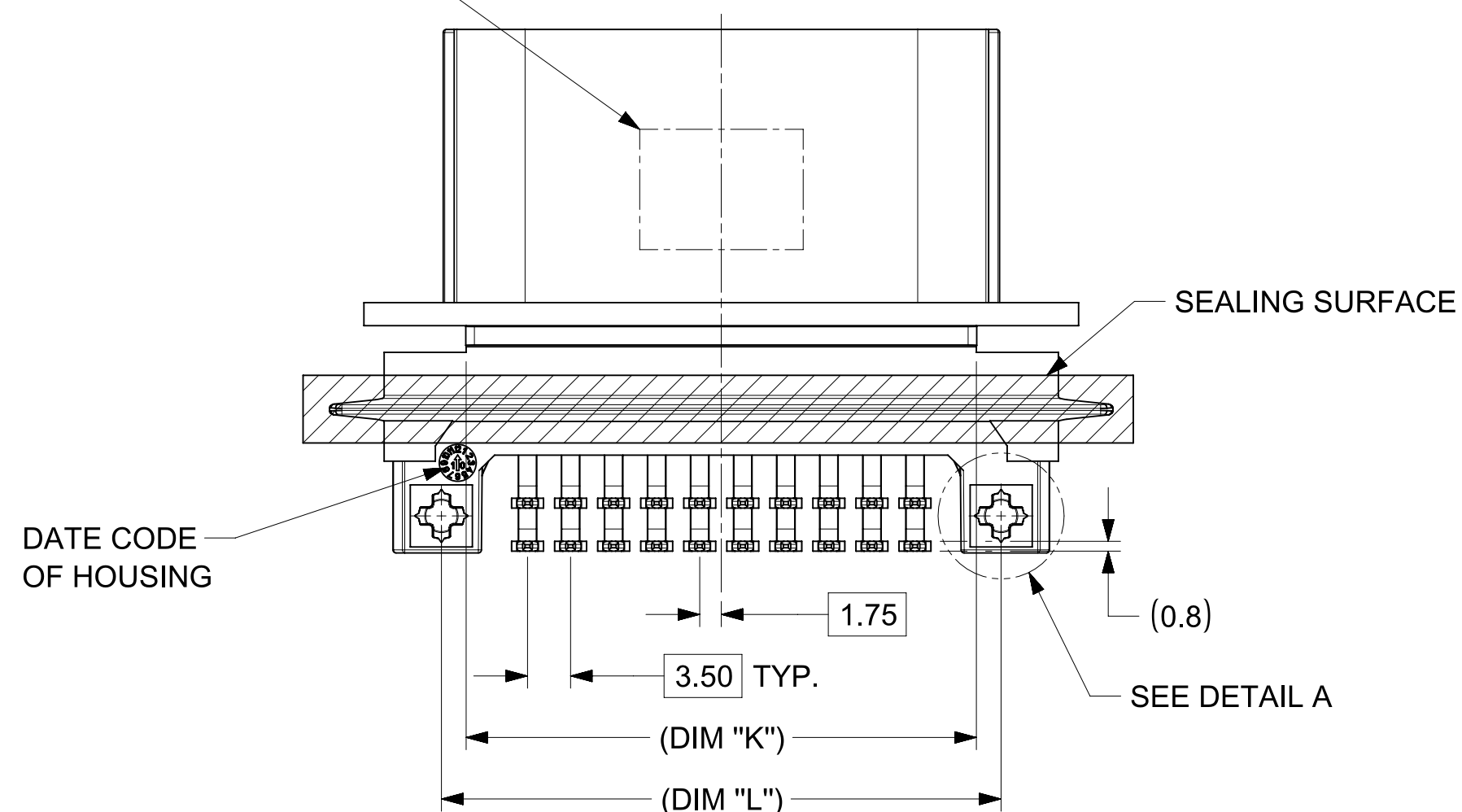
SOLDERTAIL SHOWN
(2X10 SHOWN)

NOTES UNLESS OTHERWISE SPECIFIED

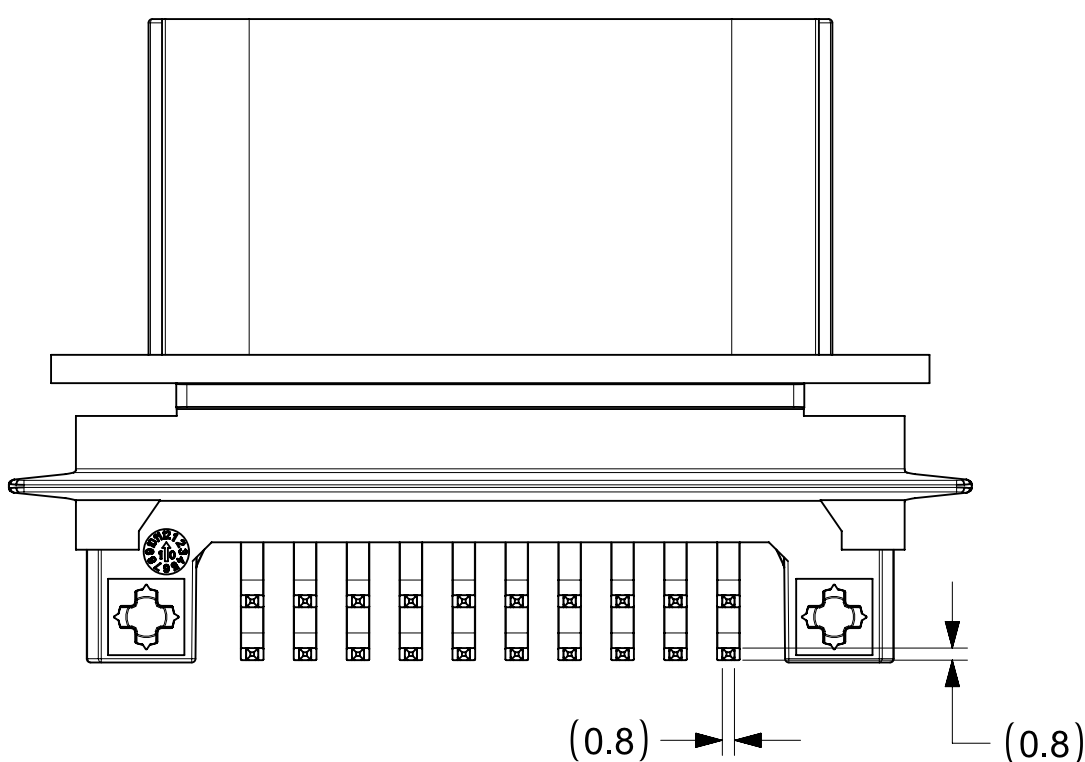
- GENERAL:
 - PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: 2014040016
 - DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
 - 1.5 PCB PRESS-FIT (COMPLIANT PIN) PER SD-31503-012 REV A
 - PCB INTENDED TO BE FR4 0.062" (1.6mm) THICK
- DESIGN - MATERIALS:
 - HOUSING: PBT 30%GF.
 - TERMINAL:
 - SOLDER VERSION: COPPER ALLOY.
 - COMPLIANT VERSION: COPPER ALLOY.
- DESIGN - GEOMETRY:
 - THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - LETTERING SHALL BE 0.15 MAX RAISED. THIS INCLUDES RECYCLING CODE, CAVITY ID, MANUFACTURING LOCATION, AND MOLEX MATERIAL NUMBER.
- TRUE POSITIONS OF THE EONS AND SOLDERTAIL TO BE VERIFIED WITH A FUNCTIONAL GO/NO GO GAUGE.
- ALL DIMENSIONS APPLY TO THE PART AS SHIPPED FROM MOLEX. FINAL POSITIONING IS ACHEIVED WITH PCB APPLICATION TOOLING. REFERENCE AS-34829-001.
- LASER MARKING TO BE MARKED WITH:
 - HUMAN READABLE CODE (HRC)
 - PERMANENTLY APPLIED ON THE PART WITH 1.5mm LETTER SIZE
 - INFORMATION TO BE PRINTED
 - 9 DIGIT MOLEX MATERIAL NUMBER
 - 5 DIGIT JULIAN MANUFACTURING DATE STAMP DDDYY
- TRUE POSITION OF THE MATE SIDE CONNECTOR TO BE VERIFIED WITH A GO/NO-GO FUNCTIONAL GAGE
- ALL DIMENSION WITH OUT BALLOONS ARE NOT MEASURED. SURROGATE DATA FROM THE COMPONENT PRINT WILL BE USED TO MEET DIMENSIONAL REQUIREMENTS.
- EON (COMPLIANT PIN) DESIGN REQUIRES AN ASSEMBLY FIXTURE FOR INSTALLATION.



LASER MARKING TO BE SHOWN
IN THIS LOCATION
SEE NOTE 6



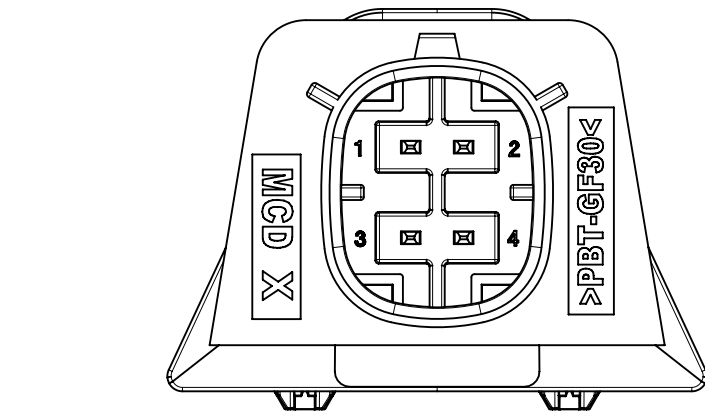
EON DESIGN



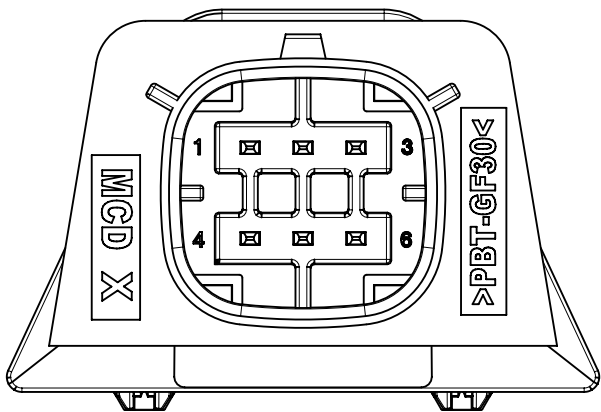
SOLDERTAIL DESIGN

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 2 COLOR CODES AND 4 PNs WITH GOLD PLATING AT CONTACT AREA FOR 2*4 HEADER																						
mm		2:1	<div>molex</div> <div>MX150 DUAL ROW R/A HEADER ASSEMBLY</div> <div>PRODUCT SALES DRAWING</div> <table><tr><td colspan="4">DOCUMENT NUMBER</td><td colspan="1">DOC TYPE</td><td colspan="1">DOC PART</td><td colspan="2">REVISION</td></tr><tr><td colspan="4">SD-34829-001</td><td colspan="1">PSD</td><td colspan="1">001</td><td colspan="2">A5</td></tr></table>							DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION		SD-34829-001				PSD	001	A5	
DOCUMENT NUMBER										DOC TYPE	DOC PART	REVISION													
SD-34829-001										PSD	001	A5													
GENERAL TOLERANCES (UNLESS SPECIFIED)																									
ANGULAR TOL ± 3°																									
4 PLACES ± 0																									
3 PLACES ± 0																									
2 PLACES ± 0.13																									
1 PLACE ± 0.25																									
0 PLACES ± 0																									
EC NO: CO-000001796			22-Nov-2022																						
DRWN: Yu Chao Fu			06-Dec-2022																						
CHK'D: Elvis Song			16-Dec-2022																						
APPR: Colin Zhang																									
INITIAL REVISION:																									
DRWN: RFC_PLMIMP																									
APPR:																									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER															
				D-SIZE	34829	SEE SHEET 2		GENERAL MARKET		1 OF 3															

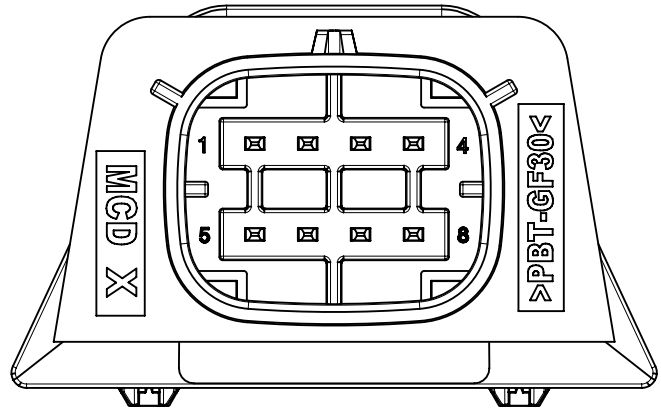
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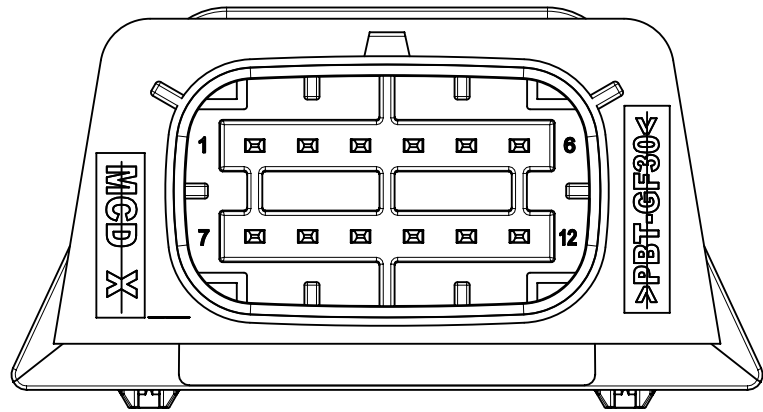
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34830-04XX



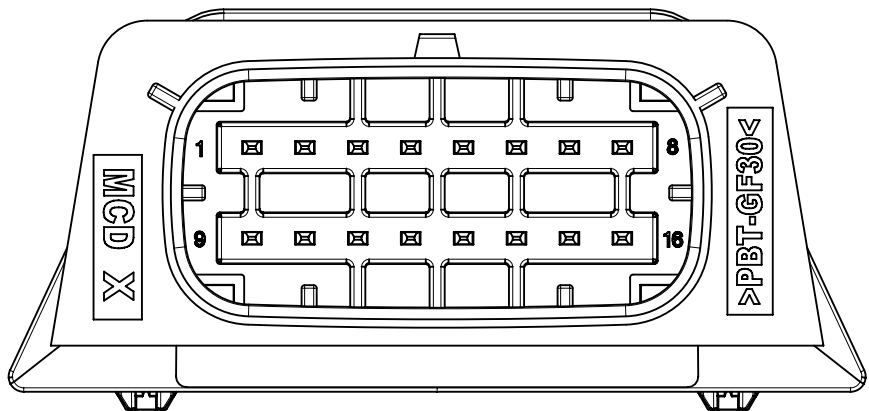
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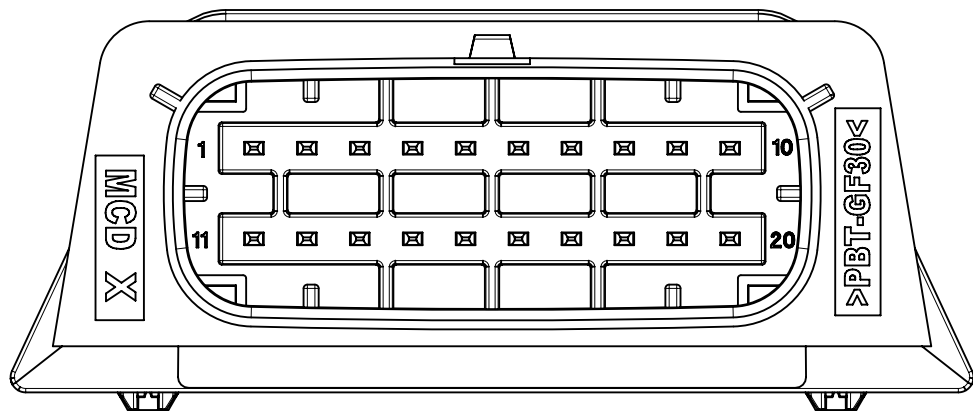
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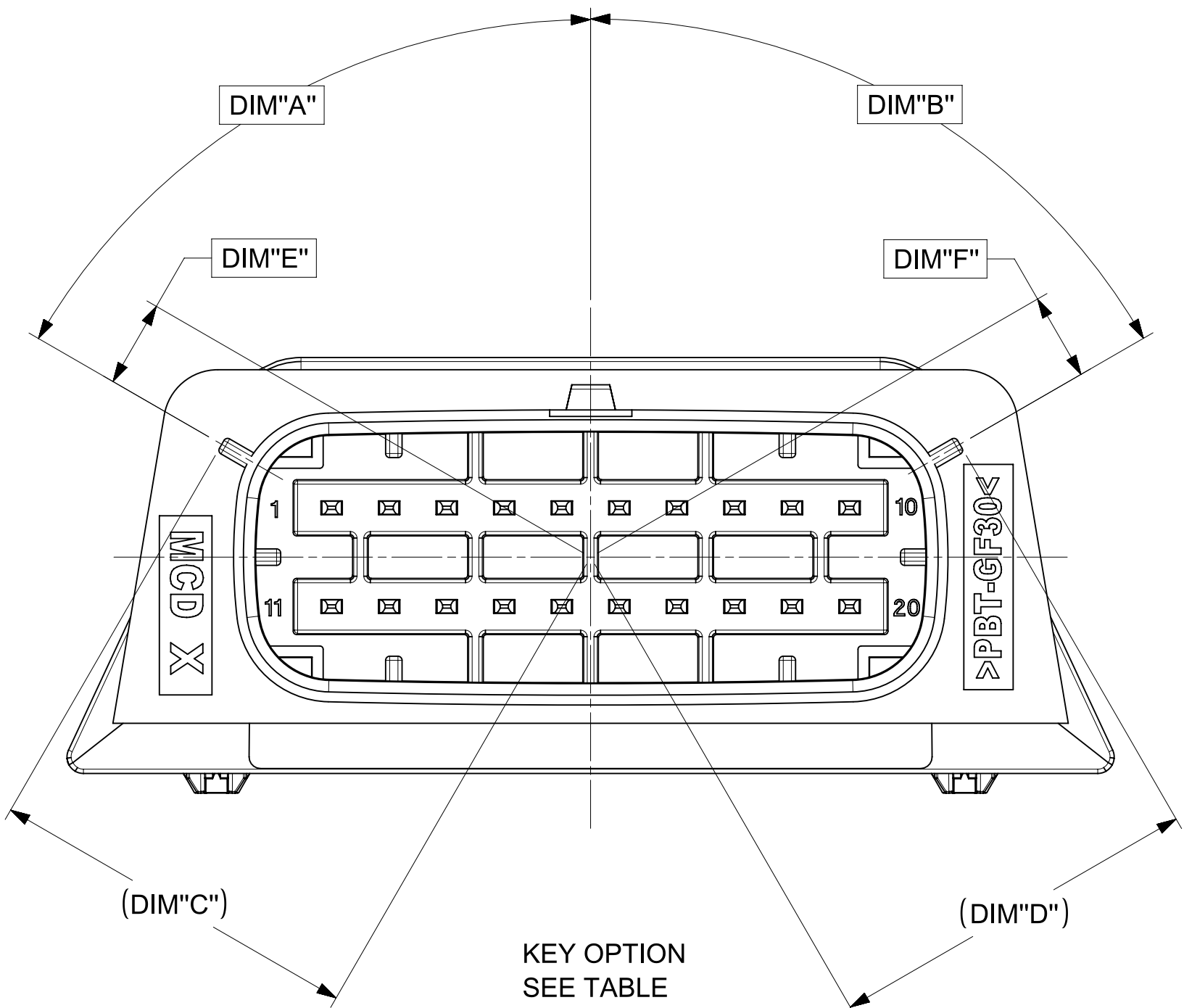
34829-12XX
34830-12XX



34829-16XX
34830-16XX



34829-20XX
34830-20XX



MATERIAL NUMBER			DESCRIPTION	KEY CODING	COLOR	DIMENSION											STATUS						
EON	SOLDERTAIL	<div>A5CONTACT AREA PLATING TYPE</div>				A	B	C	D	E	F	G	H	J	K	L	EON	SOLDERTAIL					
348290401	348300401	Sn	2x2 WAY HEADER	A	BLACK	60°	60°	10.75	10.75	1.73	1.73	4.53	13.24	36.83	13.54	17.50	OBSOLETE	DESIGN CONCEPT					
348290402	348300402			B	LT GRAY	40°	60°	11.16	10.75	0.57	1.73												
348290403	348300403			C	DK GRAY	60°	40°	10.75	11.16	1.73	0.57												
348290404	348300404			D	BLACK	40°	40°	11.16	11.16	0.57	0.57												
348290601	348300601	Sn	2x3 WAY HEADER	A	BLACK	60°	60°	12.27	12.27	0.86	0.86	8.03	16.74	40.33	17.04	21.00	OBSOLETE	DESIGN CONCEPT					
348290602	348300602			B	LT GRAY	25°	60°	11.93	12.27	1.94	0.86												
348290603	348300603			C	DK GRAY	60°	25°	12.27	11.93	0.86	1.94												
348290604	348300604			D	BLACK	25°	25°	11.93	11.93	1.94	1.94												
348290801	348300801	Sn	2x4 WAY HEADER	A	BLACK	60°	60°	13.78	13.78	0.02	0.02	11.53	20.24	43.83	20.54	24.50	OBSOLETE	SALEABLE					
348290802	348300802			B	LT GRAY	25°	60°	12.67	13.78	3.53	0.02							NOT RECOMMENDED SEE 348300805					
348290803	348300803			C	DK GRAY	60°	25°	13.78	12.67	0.02	3.53												
348290804	348300804			D	BLACK	25°	25°	12.67	12.67	3.53	3.53												
-	348300805			Au	B	LT GRAY-1	25°	60°	12.67	13.78	3.53						0.02	-	SALEABLE				
-	348300806				D	STONE GRAY	25°	25°	12.67	12.67	3.53						3.53						
-	348300851	A			BLACK	60°	60°	13.78	13.78	0.02	0.02												
-	348300852	B			LT GRAY-1	25°	60°	12.67	13.78	3.53	0.02												
-	348300853	C		DK GRAY	60°	25°	13.78	12.67	0.02	3.53													
-	348300854	D		STONE GRAY	25°	25°	12.67	12.67	3.53	3.53													
348291201	348301201	Sn	2x6 WAY HEADER	A	BLACK	60°	60°	16.81	16.81	1.77	1.77	18.53	27.24	50.83	27.54	31.50	OBSOLETE	DESIGN CONCEPT					
348291202	348301202			B	LT GRAY	25°	60°	14.14	16.81	6.70	1.77												
348291203	348301203			C	DK GRAY	60°	25°	16.81	14.14	1.77	6.70												
348291204	348301204			D	BLACK	25°	25°	14.14	14.14	6.70	6.70												
348291601	348301601	Sn	2x8 WAY HEADER	A	BLACK	60°	60°	19.85	19.85	3.52	3.52	25.53	34.24	57.83	34.54	38.50	OBSOLETE	DESIGN CONCEPT					
348291602	348301602			B	LT GRAY	25°	60°	15.62	19.85	9.87	3.52												
348291603	348301603			C	DK GRAY	60°	25°	19.85	15.62	3.52	9.87												
348291604	348301604			D	BLACK	25°	25°	15.62	15.62	9.87	9.87												
348292001	348302001	Sn	2x10 WAY HEADER	A	BLACK	60°	60°	22.88	22.88	5.27	5.27	32.53	41.24	64.83	41.54	45.50	OBSOLETE	SALEABLE					
348292002	348302002			B	LT GRAY	25°	60°	17.10	22.88	13.05	5.27												
348292003	348302003			C	DK GRAY	60°	25°	22.88	17.10	5.27	13.05												
348292004	348302004			D	BLACK	25°	25°	17.10	17.10	13.05	13.05												
-	348302006			B	NATURAL	25°	60°	17.10	22.88	13.05	5.27						-	SALEABLE					
-	348302007			D	LT GARY	25°	25°	17.10	17.10	13.05	13.05												

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DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 3°

4 PLACES ± 0

3 PLACES ± 0

2 PLACES ± 0.13

1 PLACE ± 0.25

0 PLACES ± 0

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

CURRENT REV DESC: ADDED 2 COLOR CODES AND 4 PNs WITH GOLD PLATING AT CONTACT AREA FOR 2*4 HEADER

EC NO: CO-000001796

DRWN: Yu Chao Fu

CHK'D: Elvis Song

APPR: Colin Zhang

INITIAL REVISION:
DRWN: RFC_PLMIMP
APPR:

THIRD ANGLE PROJECTION

DRAWING

D-SIZE

SERIES

34829

22-Nov-2022

06-Dec-2022

16-Dec-2022

DOCUMENT NUMBER

SD-34829-001

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 3

DOC TYPE

PSD

DOC PART

001

REVISION

A5

mo

lex

MX150 DUAL ROW
R/A HEADER ASSEMBLY

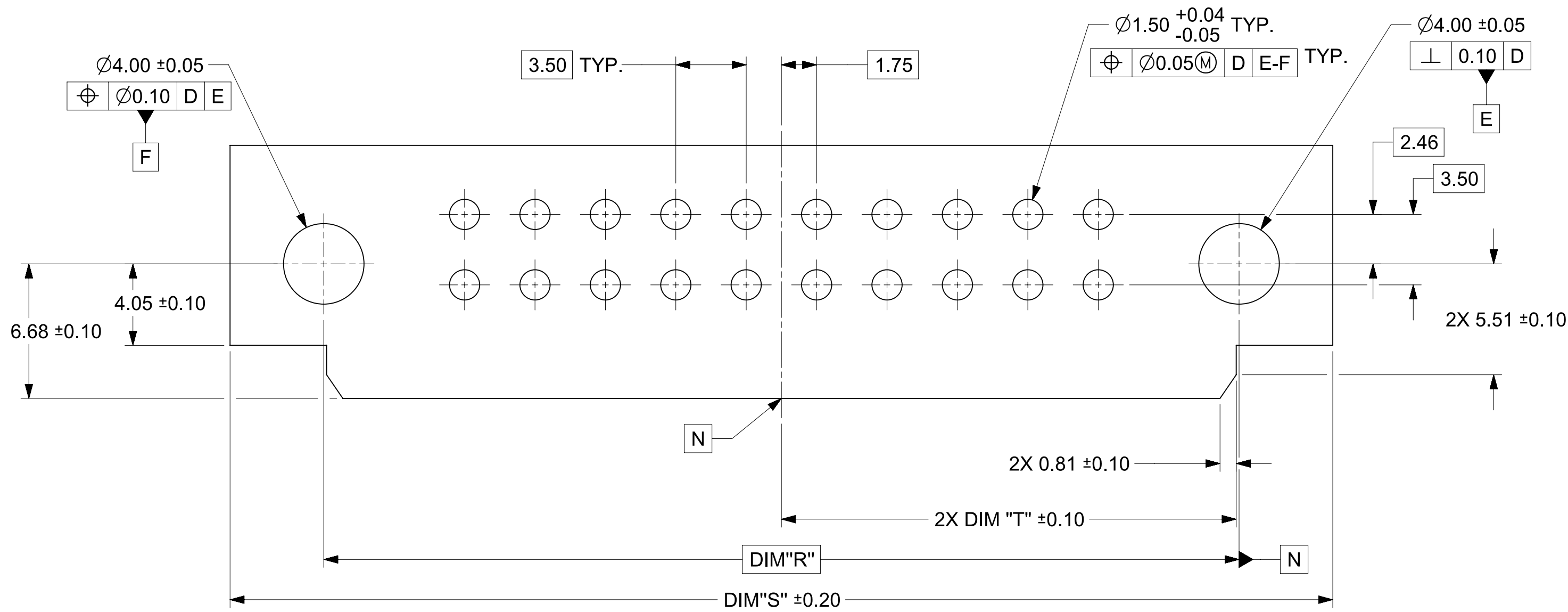
PRODUCT SALES DRAWING

DOCUMENT STATUS	Approved	RELEASE DATE	16-Dec-2022	03:49:48
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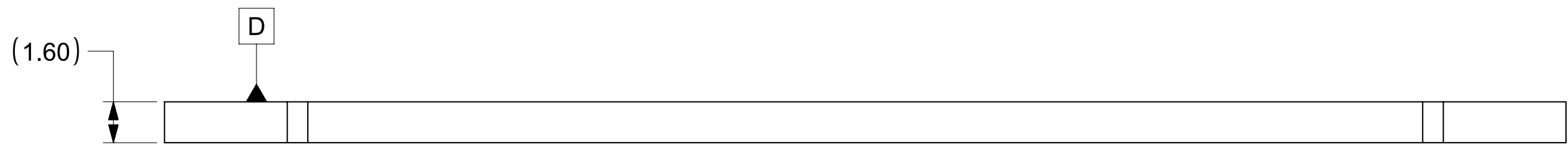
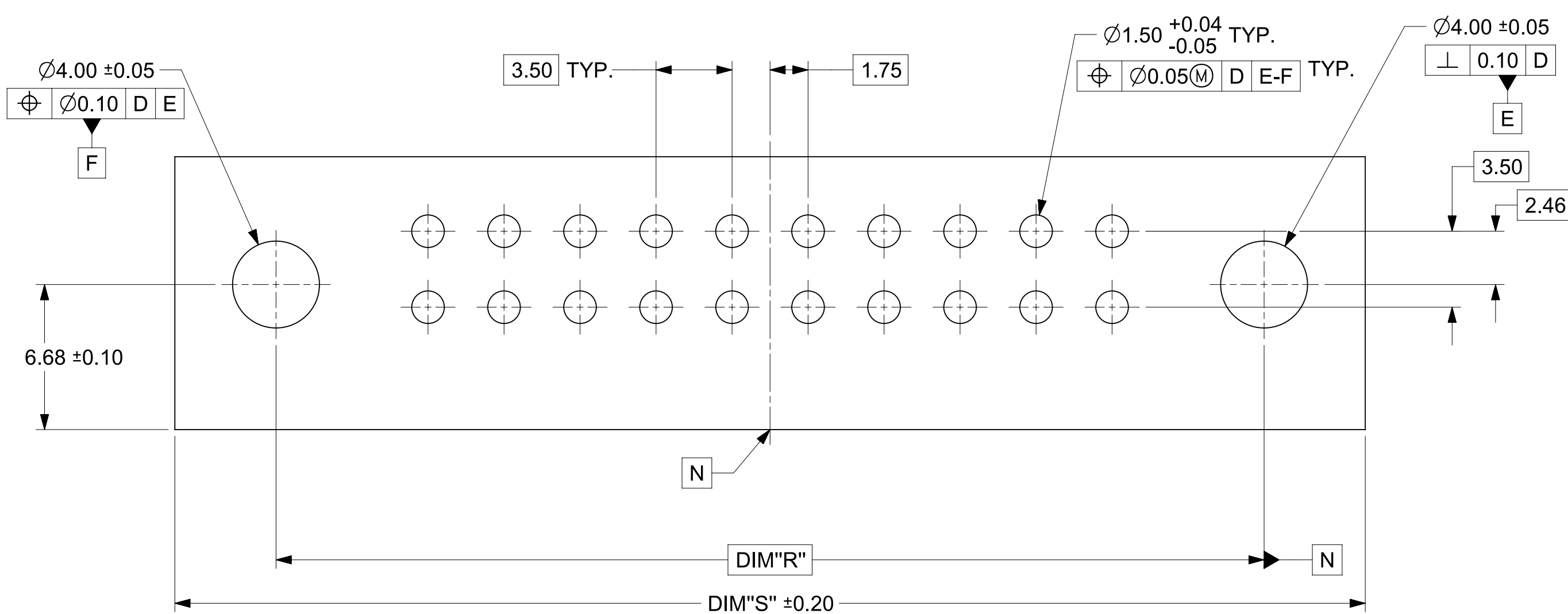
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PCB INTERFACE

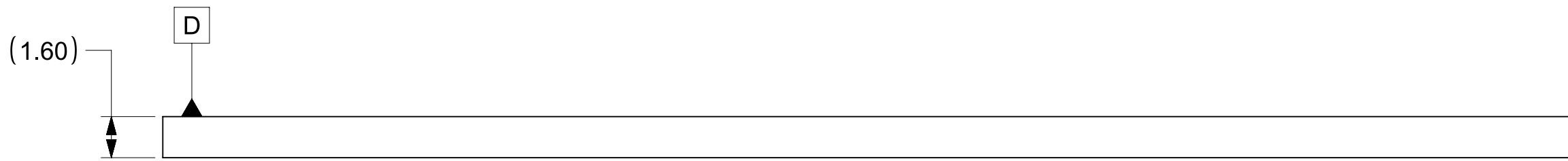
(FOR REFERENCE ONLY)



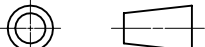
PCB LAYOUT FOR EON
TOWARD HARNESS CONNECTOR



PCB LAYOUT FOR SOLDERTAIL
TOWARD HARNESS CONNECTOR



DESCRIPTION	DIMENSIONS		
	R	S	T
2X2 HEADER	17.50	26.82	8.61
2X3 HEADER	21.00	30.32	10.36
2X4 HEADER	24.50	33.82	12.11
2X5 HEADER	31.50	40.82	15.61
2X6 HEADER	38.50	47.82	19.11
2X10 HEADER	45.50	54.82	22.61

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DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED 2 COLOR CODES AND 4 PNs WITH GOLD PLATING AT CONTACT AREA FOR 2*4 HEADER				<div>molex</div>					
mm		5:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: CO-000001796 DRWN: Yu Chao Fu 22-Nov-2022 CHK'D: Elvis Song 06-Dec-2022 APPR: Colin Zhang 16-Dec-2022									
ANGULAR TOL ± 3°													
4 PLACES		± 0		INITIAL REVISION: DRWN: RFC_PLMIMP APPR:									
3 PLACES		± 0											
2 PLACES		± 0.13		THIRD ANGLE PROJECTION									
1 PLACE		± 0.25											
0 PLACES		± 0		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						D-SIZE 34829		SEE SHEET 2		GENERAL MARKET		3 OF 3	