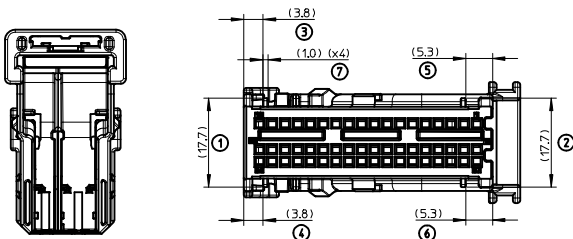
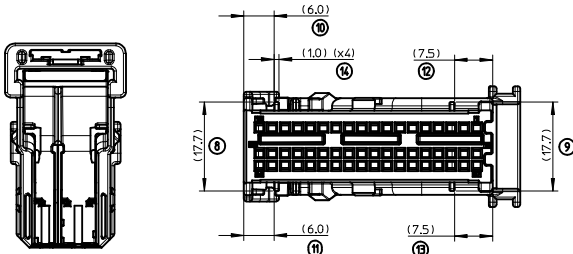


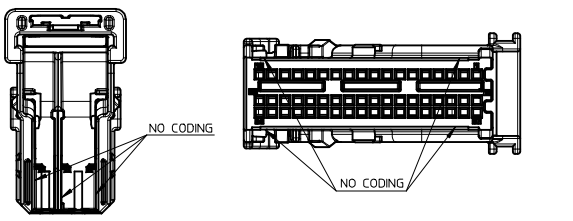
PART NUMBER:	<b>098982 5011</b>	CODING:	BLACK
MODULES PIN TO BE USED:	<b>098982 5055</b>	<b>18W</b>	GREEN
	<b>098982 5065</b>	<b>38W</b>	GREEN



PART NUMBER:	<b>098982 5012</b>	CODING:	GREY
MODULES PIN TO BE USED:	<b>098982 5056</b>	<b>18W</b>	BLUE
	<b>098982 5066</b>	<b>38W</b>	BLUE

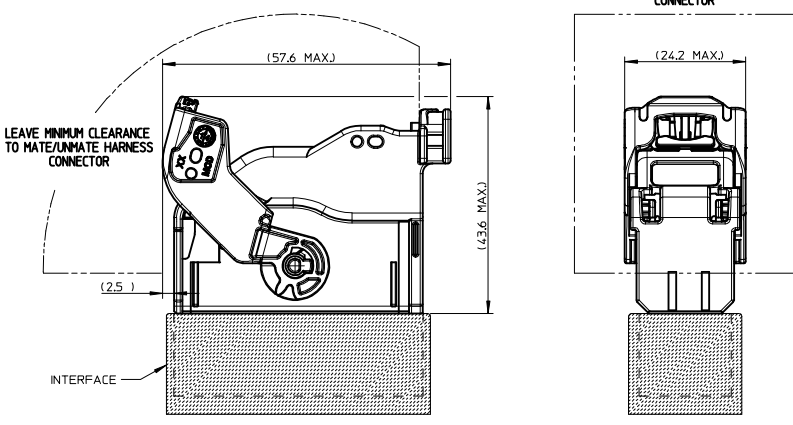


PART NUMBER:	<b>098982 5019</b>	CODING:	PURPLE (UNIVERSAL)
MODULES PIN TO BE USED:	<b>098982 5055 OR 098982 5066</b>	<b>18W</b>	GREEN - BLUE
	<b>098982 5065 OR 098982 5066</b>	<b>38W</b>	GREEN - BLUE

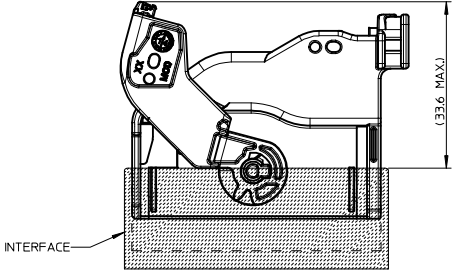


CODING OPTIONS (VIEWS WITHOUT LOCKING LEVER)

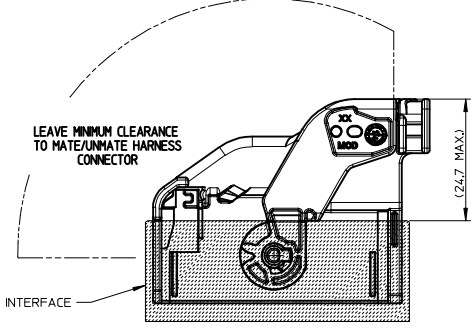
CLEARANCE FOR CONNECTOR MATE AND UNMATE



PRE-LOCKING POSITION

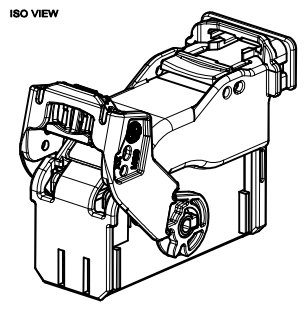


CONNECTOR FULLY MATED



MODIFICATIONS

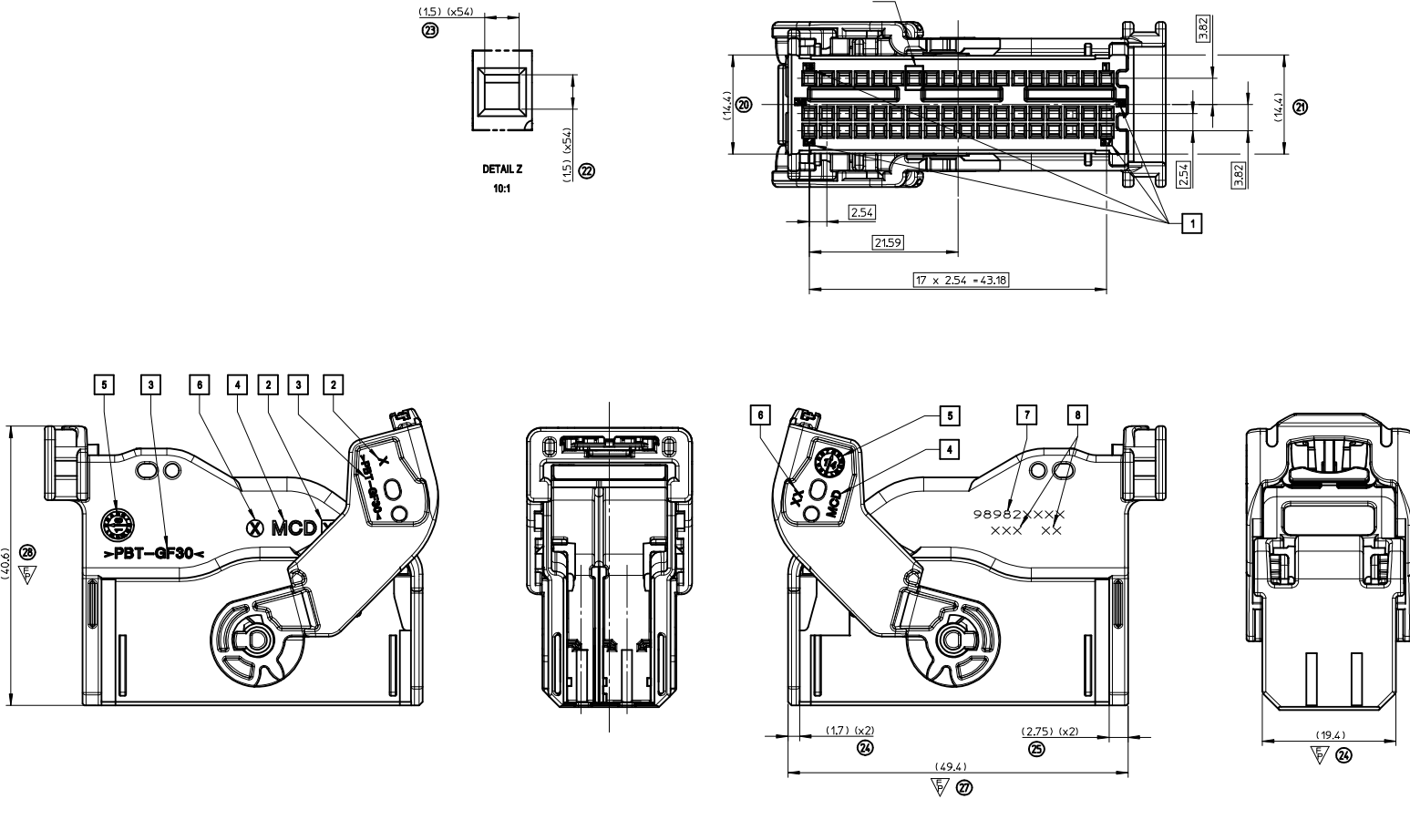
REV.	DESCRIPTIONS	NAME	DATE
A	-DOCUMENT FIRST RELEASE.	GD	2017/02/13



<b>DOC FIRST RELEASE</b> IEC NO: G2017-0052 DRAWN: GDESBRUERES 2017/02/13 CHECKED: CBOUCHAN 2017/02/13 APPROVED: SLAFAURE 2017/03/14	QUALITY SYMBOLS ▽=0 ▽=1 ▽=2 ▽=3	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± 0.15</td> <td>± 0.006</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.20</td> <td>± 0.008</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± 0.010</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.30</td> <td>± 0.012</td> </tr> <tr> <td>0 PLACE</td> <td>± 0.35</td> <td>± 0.014</td> </tr> </table>		mm	INCH	4 PLACES	± 0.15	± 0.006	3 PLACES	± 0.20	± 0.008	2 PLACES	± 0.25	± 0.010	1 PLACE	± 0.30	± 0.012	0 PLACE	± 0.35	± 0.014	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>2:1</b>	DESIGN UNITS <b>METRIC</b>	<input type="checkbox"/> FIRST ANGLE PROJECTION
		mm	INCH																					
4 PLACES	± 0.15	± 0.006																						
3 PLACES	± 0.20	± 0.008																						
2 PLACES	± 0.25	± 0.010																						
1 PLACE	± 0.30	± 0.012																						
0 PLACE	± 0.35	± 0.014																						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	DRAWN BY: GDESBRUERES DATE: 2017/02/13 CHECKED BY: CBOUCHAN DATE: 2017/02/13 APPROVED BY: SLAFAURE DATE: 2017/03/14	MATERIAL NO.	DOCUMENT NO. <b>SD-98982-005</b>	SHEET NO. <b>1 OF 2</b>	<b>54CKT MQS FEMALE CONNECTOR</b>  <b>molex</b>																		

MODIFICATIONS

REV.	DESCRIPTIONS	NAME	DATE
A	-DOCUMENT FIRST RELEASE.	GD	2017/02/13

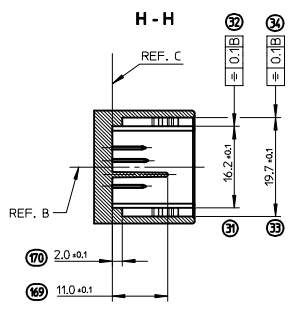
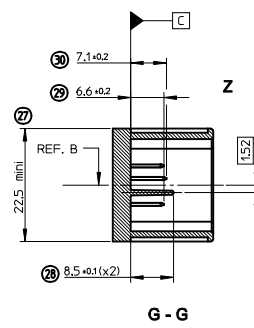
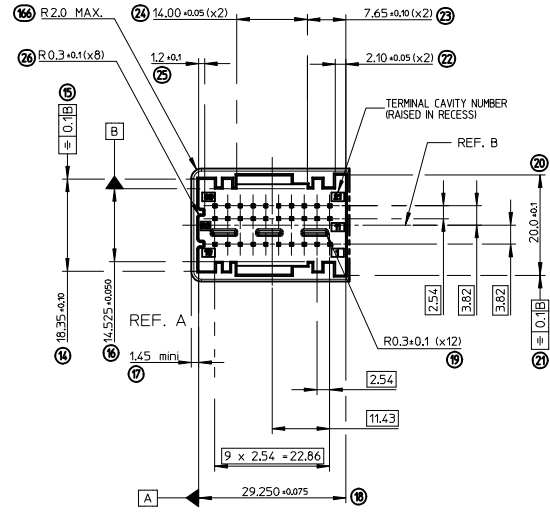
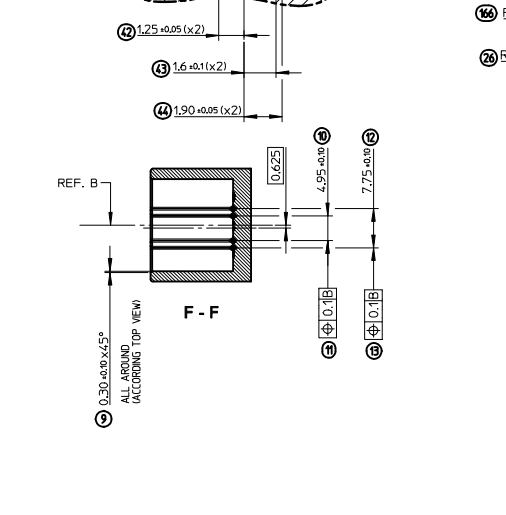
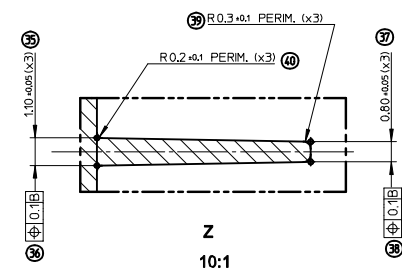
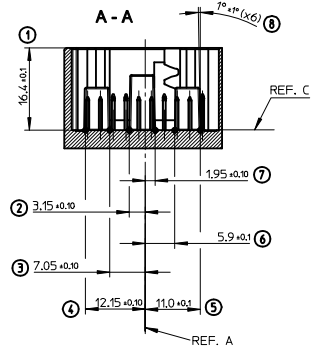
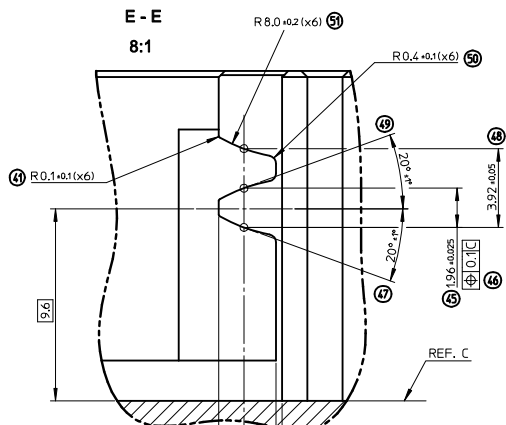


REPRESENTED ITEM :  
BLACK CODING

MARKINGS ON PARTS	- PACKAGING ACCORDING:	PK-31302-277
1 TERMINALS CAVITIES ID	- PRODUCT SPECIFICATION N°:	TBD
2 MOLD CAVITY ID.	- APPLICATION SPECIFICATION N°:	TBD
3 MATERIAL		
4 SUPPLIER PLANT PRODUCTION	- THE FEMALE CONNECTOR WILL ONLY MATCH WITH MOLEX MODULES P/Ns (SEE SHEET 1)	18CKT GREEN: 098982 5055 18CKT BLUE: 098992 5056 36CKT GREEN: 098982 5045 36CKT BLUE: 098982 5066
5 DATUM: MM/YY		
6 MOLD REVISION LEVEL		
7 ASSEMBLY P/N* LASER MARKING	- CAVITIES LOCATION AS PER INTERFACE DRAWING N°:	SD-98982-010
8 ASSEMBLY LASER MARKING DATE: DAY / YEAR	- PRODUCT WEIGHT (GRAMS):	14,5 GRAMS

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 3:1	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION
	mm	INCH				
	▽=0	4 PLACES ±				
▽=0	3 PLACES ±	±	CHECKED BY DATE CBOUCHAN 2017/02/13	molex		
▽=0	2 PLACES ±	±	APPROVED BY DATE SLAFAURE 2017/03/14			
▽=3	1 PLACE ±	±	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
	0 PLACE ±	±	SEE SHEET 1	SD-98982-005	2 OF 2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

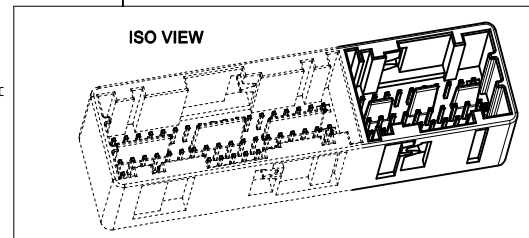
# DESIGN INTERFACE 30 WAY MQS



CODINGS	
BLACK	GREY
① 4.85 ±0.05	⑦ 5.30 ±0.05
② 3.15 ±0.05 (x2)	⑧ 3.05 ±0.05
③ 1.75 ±0.05 (x4)	⑩ 1.75 ±0.05 (x2)
④ 18.35 ±0.10	⑪ 18.35 ±0.10
⑤ 4.65 ±0.05	⑫ 4.65 ±0.05
⑥ 5.30 ±0.05	⑬ 3.05 ±0.05
⑭ 18.35 ±0.10	⑮ 18.35 ±0.10
⑯ 4.65 ±0.05	⑰ 4.65 ±0.05
⑱ 5.30 ±0.05	⑲ 3.05 ±0.05

### NOTES:

- 1-HEADER MATERIAL: PBT GF (GLASS FIBER). WITH TENSILE MODULUS OF 8000 MPa MINIMUM AT 23°C AND STRAIN AT BREAK MIN 2%. SEE SHEET 3/4.
- 2-TERMINALS:
- 3-RADI WITHOUT DIMENSION: R0.3mm.



REV.	FIRST	LAST	REMOVED	NEW
A	①	⑰		

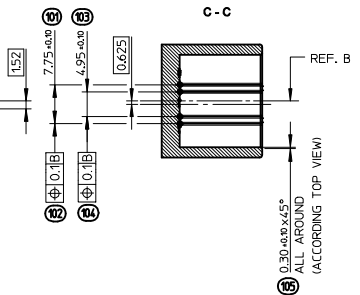
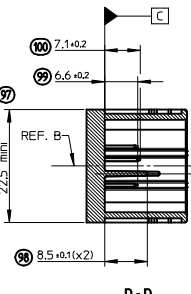
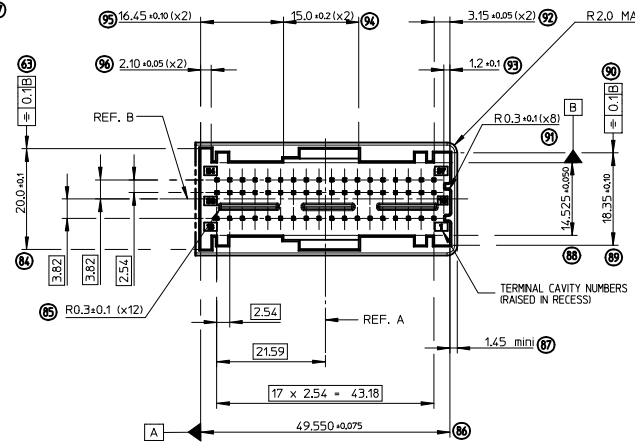
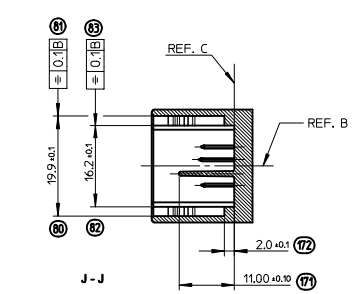
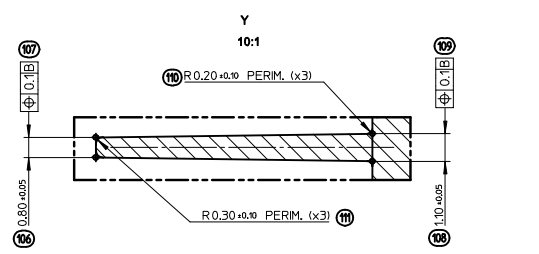
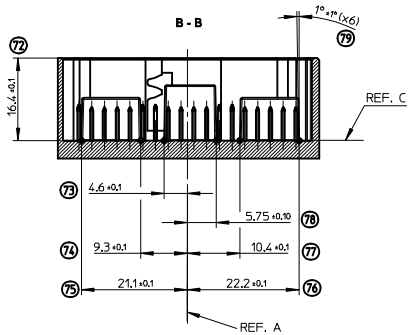
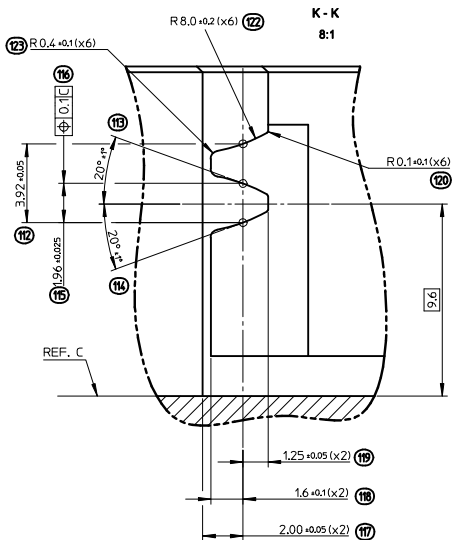
INSPECTION NUMBERS

<b>DOC FIRST RELEASE</b> EC NO: G2017-0018 DRAWING: GDESBRUERES 2016/10/03 CHKD: TBADAROUX 2016/10/03 APPR: CBOUCHAN 2017/05/10	QUALITY SYMBOLS ▽ ±0 ▽ ±0.2 ▽ ±0.20	GENERAL TOLERANCES (UNLESS SPECIFIED) mm    INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.20 ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± 0.20 ± --- 0 PLACE ± 0.20 ± ---	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>2:1</b>	DESIGN UNITS <b>METRIC</b>	FIRST ANGLE PROJECTION		
		DRAWN BY GDESBRUERES 2016/10/03	DATE 2016/10/03	CHECKED BY TBADAROUX 2016/10/03	DATE 2016/10/03	APPROVED BY CBOUCHAN 2017/05/10	DATE 2017/05/10	MATERIAL NO. <b>N A</b>
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		DOCUMENT NO. <b>SD-98982-010</b>		SHEET NO. 1 OF 4				

**molex**

INTERFACE DRAWING  
30 + 54 WAY - MQS

# DESIGN INTERFACE 54 WAY MQS

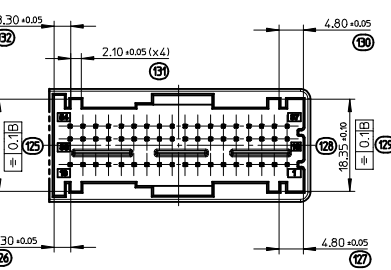


## MODIFICATIONS

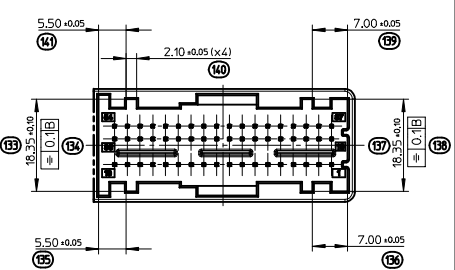
REV.	DESCRIPTIONS	NAME	DATE
A	DOCUMENT FIRST RELEASE.	GD	2016/10/03

## CODINGS

### BLACK



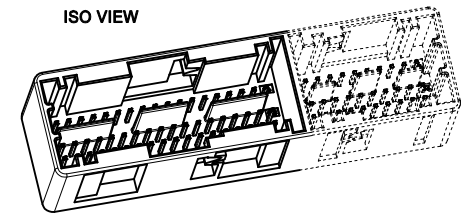
### GREY



## NOTES:

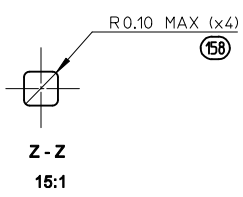
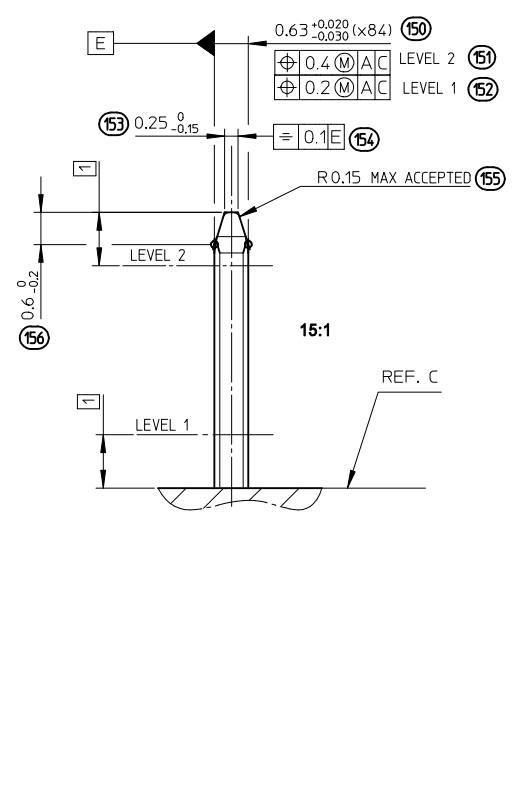
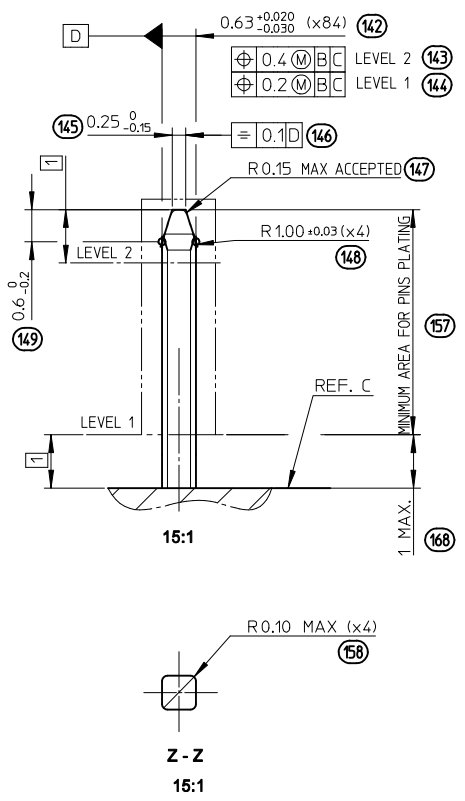
- 1-HEADER MATERIAL: PBT GF (GLASS FIBER). WITH TENSILE MODULUS OF 8000 MPa MINIMUM AT 23°C AND STRAIN AT BREAK MIN 2%.
- 2-TERMINALS: SEE SHEET 3/4.
- 3-RADI WITHOUT DIMENSION: R0.3mm.

## ISO VIEW

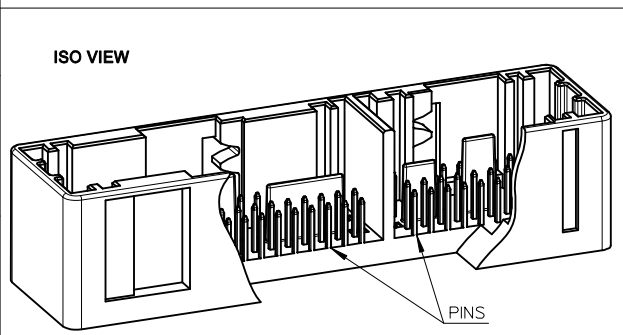


<b>DOC FIRST RELEASE</b> EC NO: G2017-0018 DRAWING: GDESBRUERES 2016/10/03 CHKD: TBADAROUX 2016/10/03 APPR: CBOUCHAN 2017/05/10	<b>QUALITY SYMBOLS</b> ▽ ± 0 ▽ ± 0.20 ▽ ± 0.20 ▽ ± 0.20	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± 0.20</td> <td>± 0.008</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.20</td> <td>± 0.008</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.20</td> <td>± 0.008</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.20</td> <td>± 0.008</td> </tr> <tr> <td>0 PLACE</td> <td>± 0.20</td> <td>± 0.008</td> </tr> </table> ANGULAR ± 2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		mm	INCH	4 PLACES	± 0.20	± 0.008	3 PLACES	± 0.20	± 0.008	2 PLACES	± 0.20	± 0.008	1 PLACE	± 0.20	± 0.008	0 PLACE	± 0.20	± 0.008	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>2:1</b>	DESIGN UNITS <b>METRIC</b>	FIRST ANGLE PROJECTION
				mm	INCH																			
			4 PLACES	± 0.20	± 0.008																			
3 PLACES	± 0.20	± 0.008																						
2 PLACES	± 0.20	± 0.008																						
1 PLACE	± 0.20	± 0.008																						
0 PLACE	± 0.20	± 0.008																						
DRAWN BY GDESBRUERES 2016/10/03	DATE 2016/10/03	CHECKED BY TBADAROUX 2016/10/03	DATE 2016/10/03	APPROVED BY CBOUCHAN 2017/05/10	DATE 2017/05/10	TITLE <b>INTERFACE DRAWING                  30 + 54 WAY - MQS</b>																		
MATERIAL NO. <b>N A</b>	DOCUMENT NO. <b>SD-98982-010</b>	SHEET NO. <b>2 OF 4</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					

# PIN DESIGN FOR INTERFACE 30 AND 54 WAY MQS



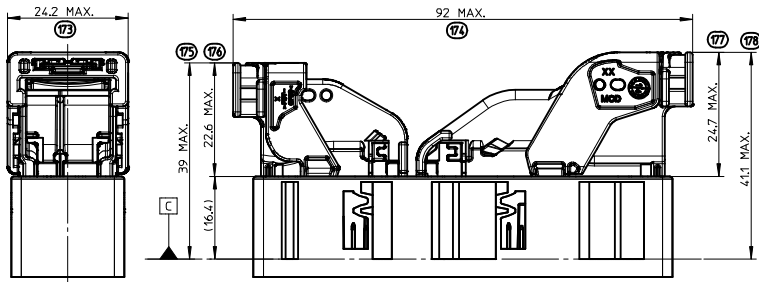
- NOTES:**
- 1 - TERMINALS MATERIAL: CuSn6 or CuZn30 (CuNiSi or CuFe2 or alternative)
  - 2 - FINISH: Gold plated 0.4μ min over Nickel coating 1.27μ  
Tin plated 0.8 to 3.3μ min over Nickel coating 1.27μ



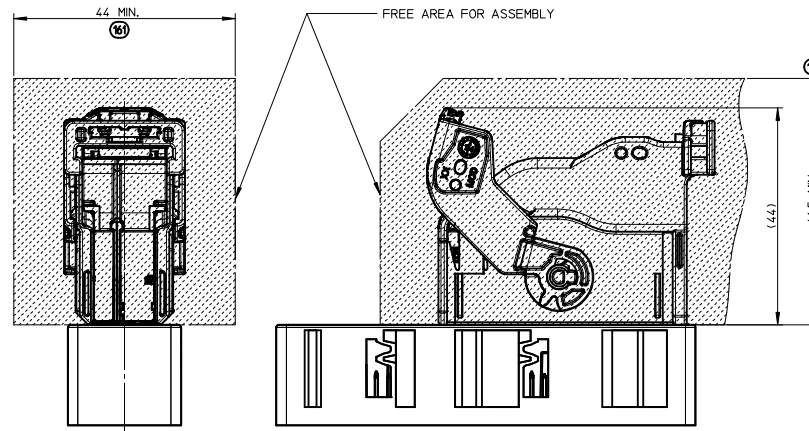
MODIFICATIONS			
REV.	DESCRIPTIONS	NAME	DATE
A	-DOCUMENT FIRST RELEASE.	GD	2016/10/03

<b>DOC FIRST RELEASE</b> IEC NO: G2017-0018 DRAWN: GDESBRUERES 2016/10/03 CHKD: TBADAROUX 2016/10/03 APPR: CBOUCHAN 2017/05/10	<b>QUALITY SYMBOLS</b> 	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>2:1</b>	DESIGN UNITS <b>METRIC</b>	FIRST ANGLE PROJECTION
		mm	INCH	DRAWN BY DATE GDESBRUERES 2016/10/03	TITLE <b>INTERFACE DRAWING</b> <b>30 + 54 WAY - MQS</b>		
REV <b>A</b>	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 2 °		CHECKED BY DATE TBADAROUX 2016/10/03			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY DATE CBOUCHAN 2017/05/10			
MATERIAL NO. <b>N A</b>		DOCUMENT NO. <b>SD-98982-010</b>		SHEET NO. <b>3 OF 4</b>		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

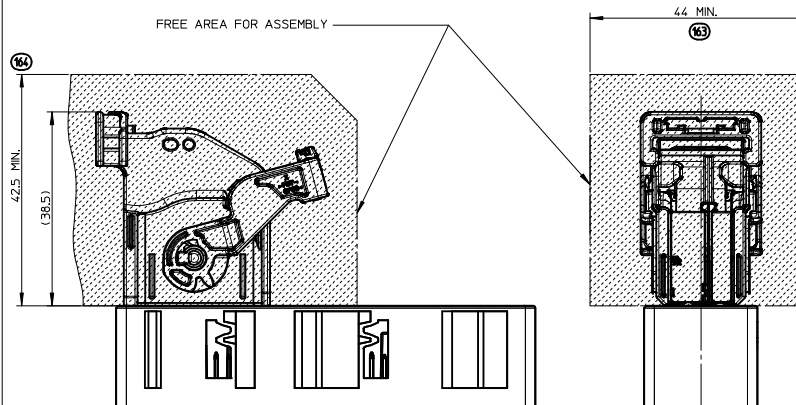
OVERALL DIMENSIONS CONNECTORS MATED ON THE HEADER 30 + 54 WAY MQS



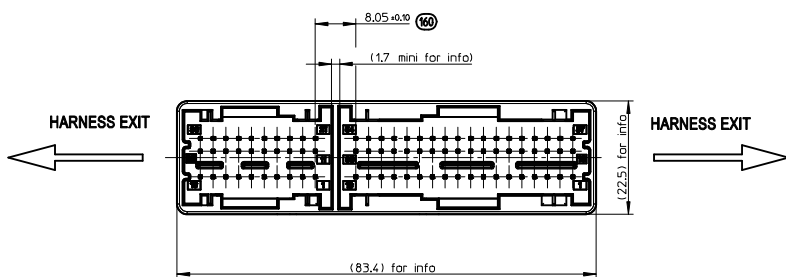
VOLUME NEEDED FOR THE MATING OF THE RECEPTACLE HOUSING 54 WAY MQS



VOLUME NEEDED FOR THE MATING OF THE RECEPTACLE HOUSING 30 WAY MQS



HARNES EXIT



HARNES EXIT

MODIFICATIONS

REV.	DESCRIPTIONS	NAME	DATE
A	-DOCUMENT FIRST RELEASE	GD	2016/10/03

DOC FIRST RELEASE EC NO: G2017-0018 DRAWN BY: GDESBRUERES 2016/10/03 CHKD: TBADAROUX 2016/10/03 APPR: CBOUCHAN 2017/05/10	QUALITY SYMBOLS 4 PLACES ± 0.20 3 PLACES ± 0.20 2 PLACES ± 0.20 1 PLACE ± 0.20 0 PLACE ± 0.20	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION
		ANGULAR ± 2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: GDESBRUERES 2016/10/03 CHECKED BY: TBADAROUX 2016/10/03 APPROVED BY: CBOUCHAN 2017/05/10	MATERIAL NO. NA	TITLE INTERFACE DRAWING 30 + 54 WAY - MQS	DOCUMENT NO. SD-98982-010

**molex**

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION