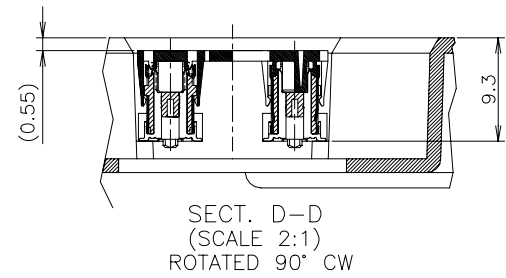
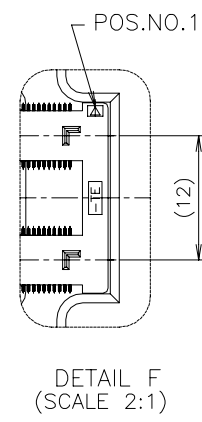
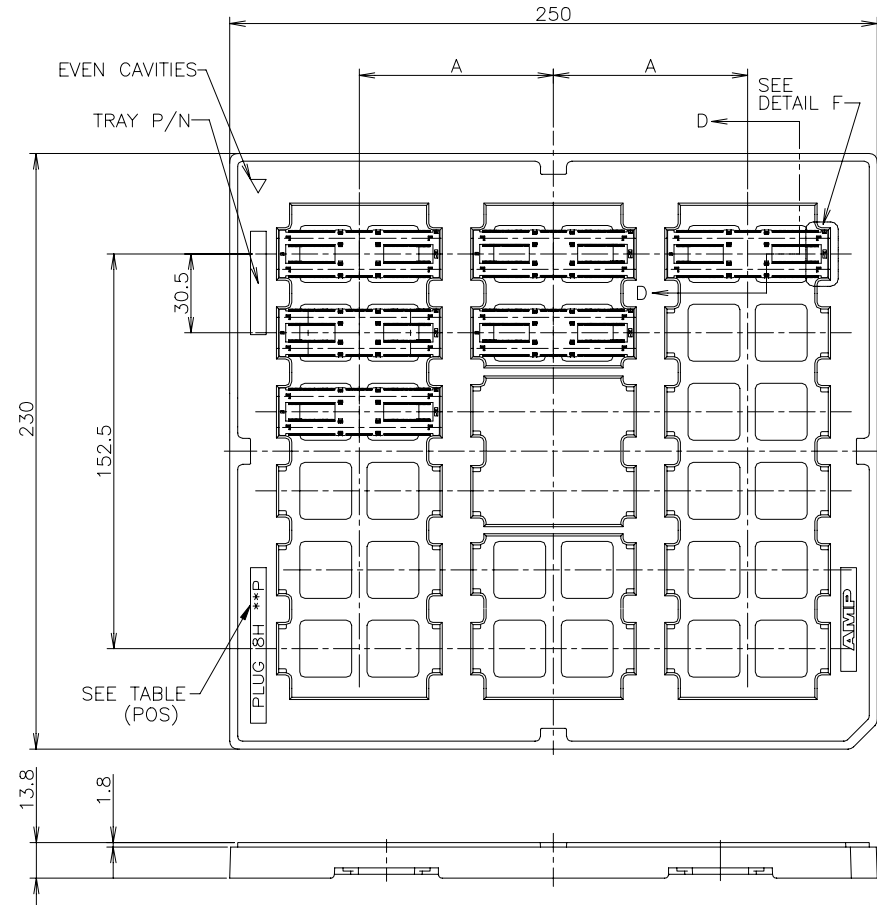


REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN APVD
D1		ECN-21-114380 : ADD MATED CONDITION	30AUG2021	AL HL

3-5353652-6 / 8 / 9 PACKAGE: AS SHOWN



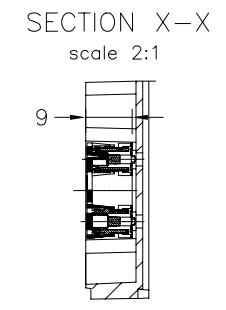
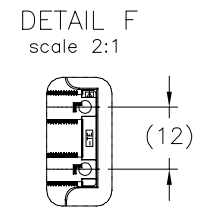
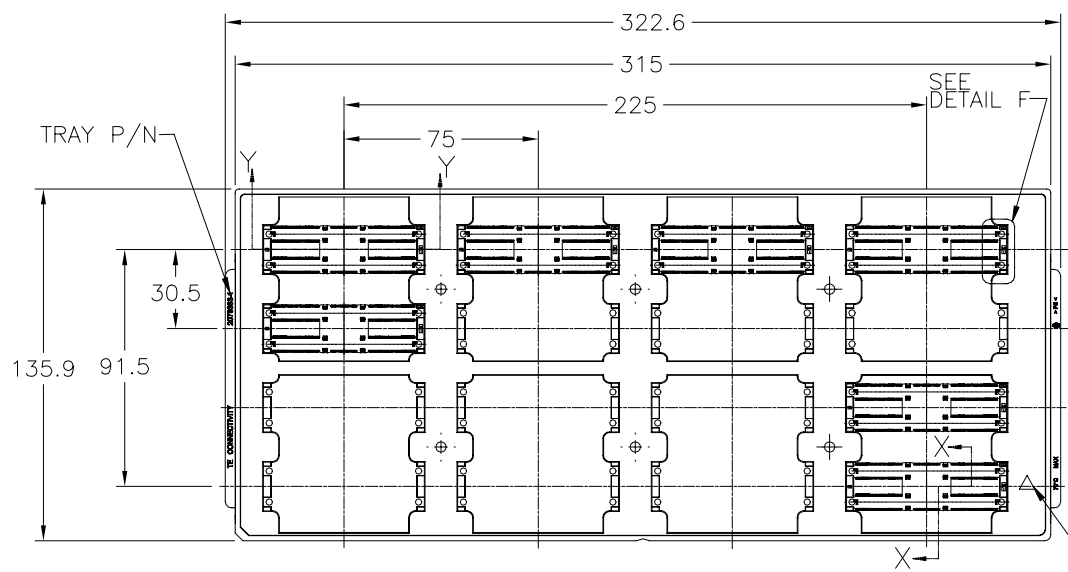
3	18	75	440	3-5353652-9
3	18	75	440	3-5353652-8
3	18	75	440	3-5353652-6
ROW	QTY	A	POS.	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

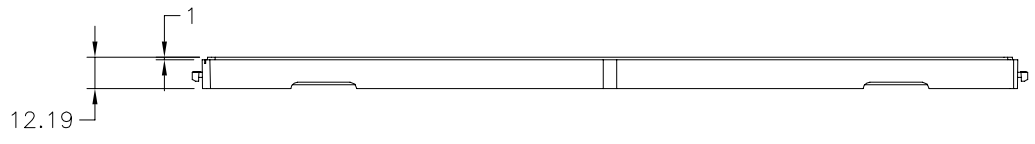
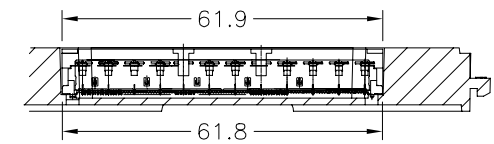
DWN S. CHIEN 18MAY05	TE Connectivity Ltd. HARD TRAY ASSY FH 0.5BTB CONNECTOR PLUG 8H W/G-PLATE ON 2ROW CAP
CHK T. FUTATSUGI 18MAY05	
APVD H. KODAMA 18MAY05	
PRODUCT SPEC 108-5560 APPLICATION SPEC	
MATERIAL	NAME
FINISH	SIZE A3
	CAGE CODE 00779
	DRAWING NO G=5353652
	RESTRICTED TO
CUSTOMER DRAWING	SCALE 1:2
	SHEET 1 OF 9
	REV D1

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

3-5353652-7 PACKAGE : AS SHOWN



SECTION Y-Y  
scale 2:1



NON SEALANT	YES	4	16	440	2078333-1	3-5353620-6	3-5353652-7
	TOOLING STATUS	ROW	QTY	POS.	TRAY P/N	ON CAP CONN P/N	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± 0.25
	1 PLC ± 0.15
	2 PLC ± 0.10
	3 PLC ± 0.05
	4 PLC ± 0.0250
	ANGLES ± 3'
MATERIAL	FINISH

DWN S. CHIEN 18MAY05	TE Connectivity Ltd.  HARD TRAY ASSY FH 0.5BTB CONNECTOR PLUG 8H W/G-PLATE ON 2ROW CAP
CHK T. FUTATSUGI 18MAY05	
APVD H. KODAMA 18MAY05	
PRODUCT SPEC 108-5560	
APPLICATION SPEC	NAME
WEIGHT	SIZE A3
CUSTOMER DRAWING	CAGE CODE 00779
	DRAWING NO C=5353652
	RESTRICTED TO
	SCALE 1:2
	SHEET 2 OF 9
	REV D1

4

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REVISIONS

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

CAP SETTING CONDITION OF 3-5353652-6/7/8/9

Top view of the connector assembly. Dimensions include a total width of 18.4, a central width of 18.75, and a height of 16.8. Callouts include 'A' for alignment, 'POS NO.1' for a specific position, and 'TRADE MARK' with a triangle symbol. A vertical dimension of 7.2 is shown with a tolerance of  $\pm 0.1$ .

Cross-sectional view of the connector assembly. Dimensions include a total height of 18.2, a width of 3.9, and a depth of 2. Callouts include '220POS/CONNECTOR' for both the top and bottom rows.

Side view of the connector assembly. A vertical dimension of 8.75 is shown.

BLACK	61.9	440	3-5353652-9
BLACK	61.9	440	3-5353652-8
BLACK	61.9	440	3-5353652-7
BLACK	61.9	440	3-5353652-6
CAP COLOR	B	POS	PART NO.

NOTE

SINK SURFACE 0.1, RISING CHARACTER 0.08

'-TE-' MANUFACTURED BY TE JP

'-TE-' MANUFACTURED BY TE QD

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
MM

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC	$\pm 0.25$
1 PLC	$\pm 0.15$
2 PLC	$\pm 0.10$
3 PLC	$\pm 0.05$
4 PLC	$\pm 0.0250$
ANGLES	$\pm 3'$

MATERIAL

FINISH

DWN  
S. CHIEN 18MAY05CHK  
T. FUTATSUGI 18MAY05APVD  
H. KODAMA 18MAY05

PRODUCT SPEC

APPLICATION SPEC

108-5560

WEIGHT

CUSTOMER DRAWING

SCALE 1:2

SHEET 3 OF 9

REV D1

NAME

DRAWING NO

RESTRICTED TO

SIZE

CAGE CODE

G=5353652

SCALE 1:2

SHEET 3 OF 9

REV D1

TE Connectivity Ltd.

HARD TRAY ASSY

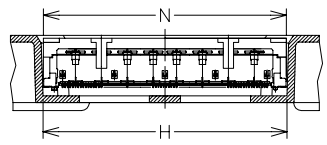
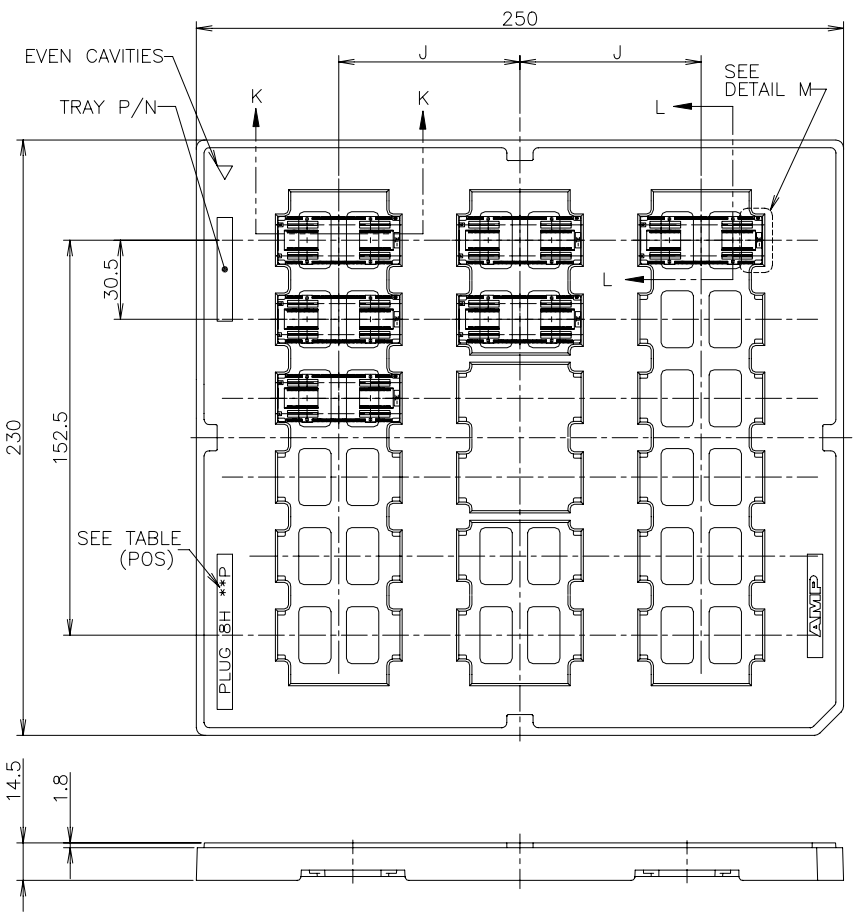
FH 0.5BTB CONNECTOR

PLUG 8H W/G-PLATE ON 2ROW CAP

1470-19 (1/15)

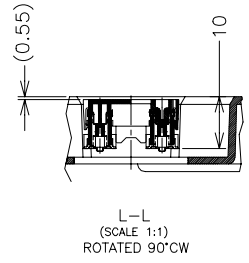
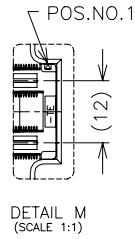
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

6-5353652-2 PACKAGE: AS SHOWN  
 1-5353652-2 PACKAGE: AS SHOWN



TOOLING STATUS	ROW	QTY	J	H	N	POS.	TRAY P/N	ON CAP CONN P/N	PART NO.
NOT AVAILABLE	3	18	↑	66.8	66.9	480	.	6-5353620-7	6-5353652-7
↑	↑	↑	↑	61.8	61.9	440	.	6-↑	6-↑
↑	↑	↑	75	56.8	56.9	400	.	6-↑	6-↑
↑	↑	↑	70	51.8	51.9	360	.	6-↓	6-↓
NOT AVAILABLE	↑	↑	↑	49.3	49.4	340	.	6-5353620-3	6-5353652-3
AVAILABLE	↑	↑	↑	46.8	46.9	320	7-912066-6	6-5353620-2	6-5353652-2
NOT AVAILABLE	↑	↑	↑	44.3	44.4	300	.	6-5353620-1	6-5353652-1
↑	↑	↑	↑	41.8	41.9	280	.	6-↑	6-↑
↑	3	18	70	36.8	36.9	240	.	5-↑	5-↑
↑	5	30	43	31.8	31.9	200	.	5-↑	5-↑
↑	↑	↑	↑	29.3	29.4	180	.	5-↑	5-↑
↑	↑	↑	↑	26.8	26.9	160	.	5-↑	5-↑
↑	↑	↑	↑	24.3	24.4	140	.	5-↑	5-↑
↑	↑	↑	↑	21.8	21.9	120	.	5-↑	5-↑
↑	↑	↑	↑	19.3	19.4	100	.	5-↑	5-↑
↑	↑	↑	↑	16.8	16.9	80	.	5-↓	5-↓
NOT AVAILABLE	5	30	43	14.3	14.4	60	.	5-5353620-1	5-5353652-1
NOT AVAILABLE	3	18	↑	66.8	66.9	480	.	1-5353620-7	1-5353652-7
↑	↑	↑	↑	61.8	61.9	440	.	1-↑	1-↑
↑	↑	↑	75	56.8	56.9	400	.	1-↑	1-↑
↑	↑	↑	70	51.8	51.9	360	.	1-↓	1-↓
NOT AVAILABLE	↑	↑	↑	49.3	49.4	340	.	1-5353620-3	1-5353652-3
AVAILABLE	↑	↑	↑	46.8	46.9	320	7-912066-6	1-5353620-2	1-5353652-2
NOT AVAILABLE	↑	↑	↑	44.3	44.4	300	.	1-5353620-1	1-5353652-1
↑	↑	↑	↑	41.8	41.9	280	.	1-↑	1-↑
↑	3	18	70	36.8	36.9	240	.	↑	↑
↑	5	30	43	31.8	31.9	200	.	↑	↑
↑	↑	↑	↑	29.3	29.4	180	.	↑	↑
↑	↑	↑	↑	26.8	26.9	160	.	↑	↑
↑	↑	↑	↑	24.3	24.4	140	.	↑	↑
↑	↑	↑	↑	21.8	21.9	120	.	↑	↑
↑	↑	↑	↑	19.3	19.4	100	.	↑	↑
↑	↑	↑	↑	16.8	16.9	80	.	↑	↑
NOT AVAILABLE	5	30	43	14.3	14.4	60	.	5353620-1	5353652-1

SEALANT (SIF-200B)  
 NON SEALANT  
 SEALANT



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM

TOLERANCES UNLESS OTHERWISE SPECIFIED:

- 0 PLC ± 0.25
- 1 PLC ± 0.15
- 2 PLC ± 0.10
- 3 PLC ± 0.05
- 4 PLC ANGLES ± 0.0250
- ANGLES ± 3'

MATERIAL FINISH

APPROVALS:

- DWN
- CHK
- APVD
- PRODUCT SPEC
- APPLICATION SPEC
- WEIGHT

**TE** TE Connectivity Ltd.

HARD TRAY ASSY  
 FH 0.5BTB CONNECTOR  
 PLUG 8H W/G-PLATE ON 2ROW CAP

SIZE: A3 CAGE CODE: 00779 DRAWING NO: C=5353652

CUSTOMER DRAWING SCALE: 4:1 SHEET: 4 OF 9 REV: D1

4

3

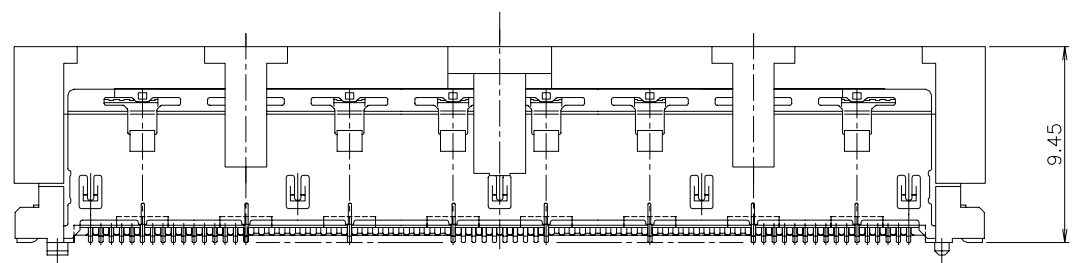
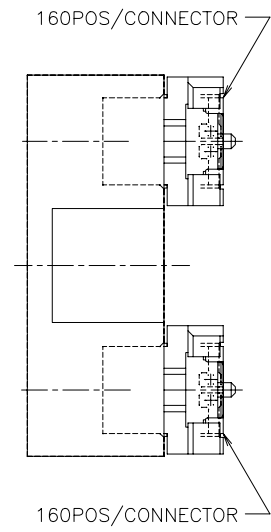
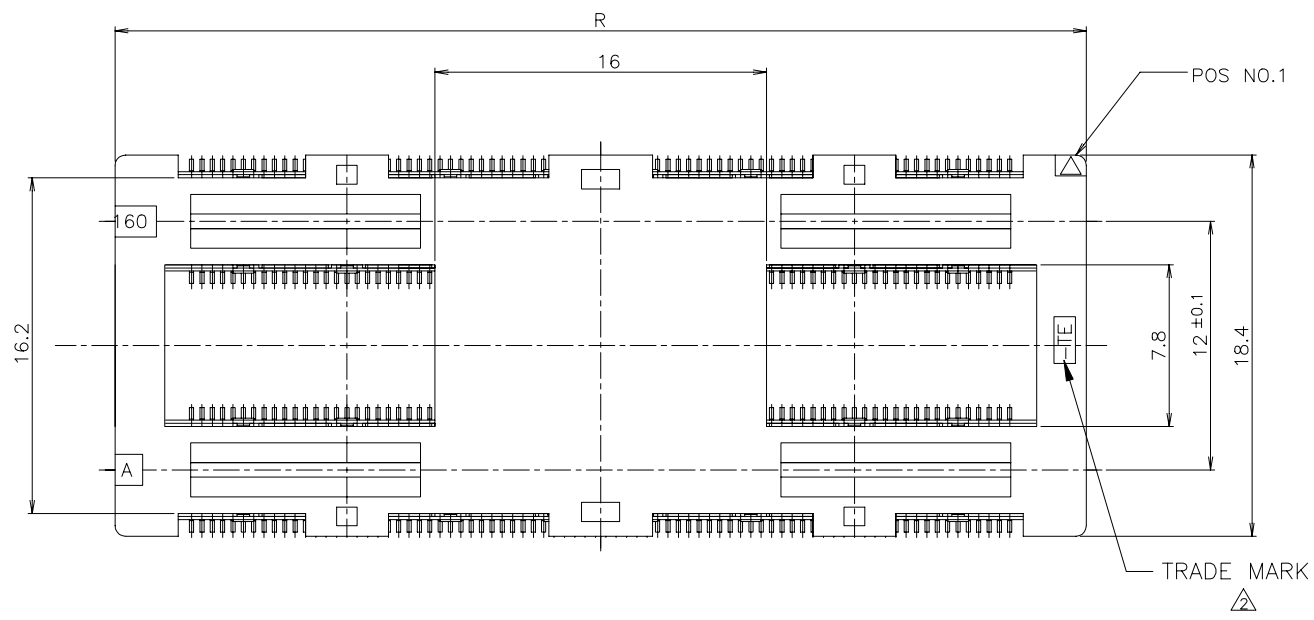
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# CAP SETTING CONDITION OF 1-5353652-2 & 6-5353652-2

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



YES	NATURAL	46.9	320	6-5353652-2
NO	NATURAL	46.9	320	1-5353652-2
SEALANT	CAP COLOR	R	POS	PART NO.

NOTE  
 △ SINK SURFACE 0.1, RISING CHARACTER 0.08  
 'TE' MANUFACTURED BY TE JP  
 'TE-' MANUFACTURED BY TE QD

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.25 1 PLC ± 0.15 2 PLC ± 0.10 3 PLC ± 0.05 4 PLC ANGLES ± 0.0250 ± 3'	DWN	CHK	APVD	NAME
MATERIAL	FINISH	PRODUCT SPEC	APPLICATION SPEC	WEIGHT	CUSTOMER DRAWING
				<b>TE</b> TE Connectivity Ltd. HARD TRAY ASSY FH 0.5BTB CONNECTOR PLUG 8H W/G-PLATE ON 2ROW CAP	
SIZE: A3 CAGE CODE: 00779 DRAWING NO: C=5353652		RESTRICTED TO		SCALE: 4:1 SHEET: 5 OF 9 REV: D1	

4

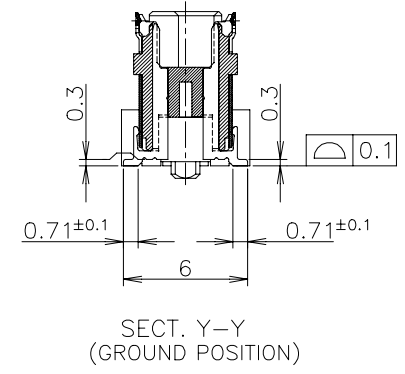
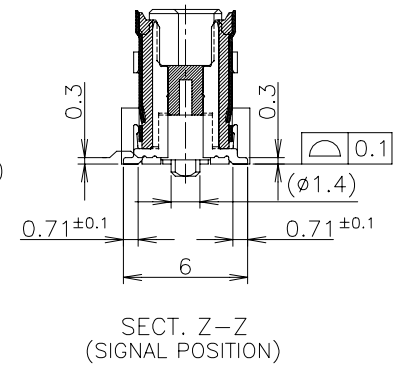
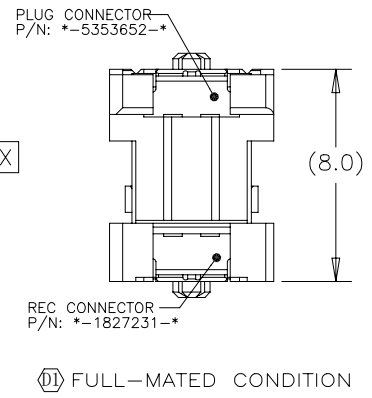
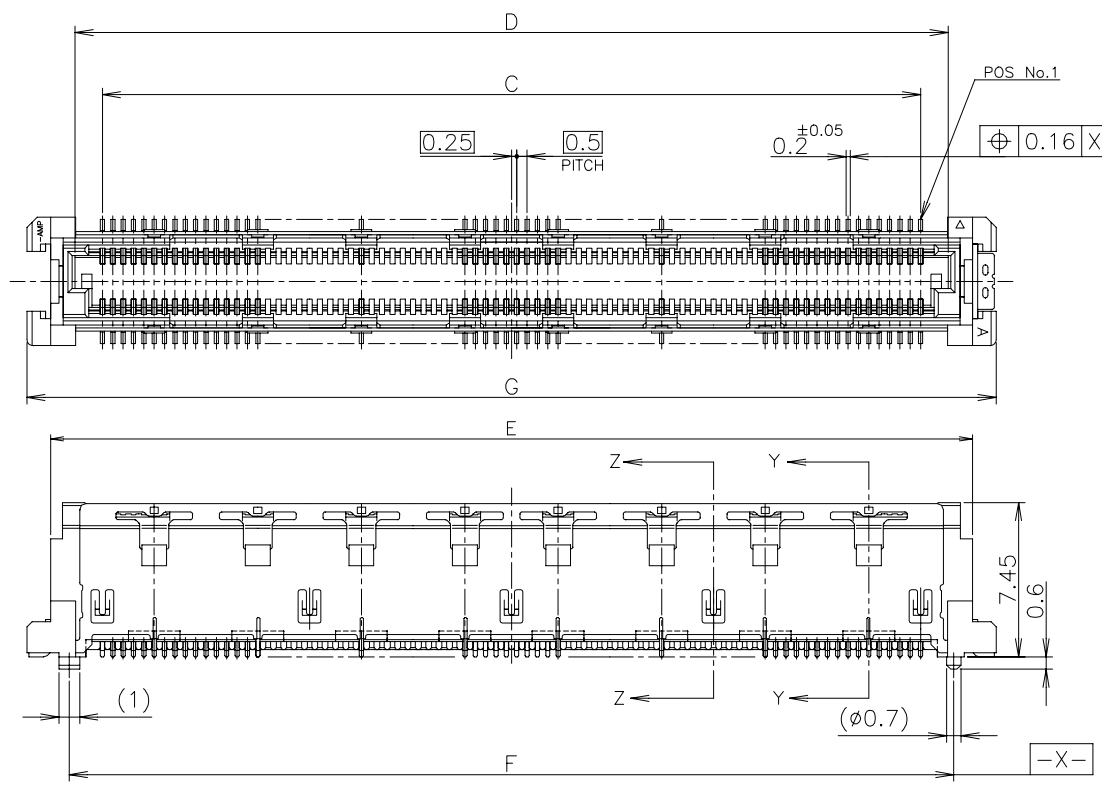
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



- ③ MATERIAL ; HOUSING : HIGH TEMP THERMO PLASTIC UL94V-0  
CONTACT : COPPER ALLOY  
SOLDER PEG : COPPER ALLOY
- ④ FINISH ; SIGNAL CONTACT : UNDER PL Ni 0.0013mm MIN ALL OVER.  
CONTACT AREA 0.0002mm MIN Au PL.  
SOLDERING AREA 0.001mm MIN TIN PL.  
GROUND CONTACT : UNDER PL Ni 0.0013mm MIN ALL OVER.  
CONTACT AREA 0.0002mm MIN Au PL.  
SOLDERING AREA 0.001mm MIN TIN PL.  
SOLDER PEG : 0.001mm MIN TIN PL. OVER  
0.0013mm MIN Ni PL ALL OVER.
- ⑤ THIS POSITION IS GROUND CIRCUIT.
- ⑥ THIS PRODUCT IS COATED BY FLUX-PENETRATION-INHIDITING AGENT.
- ⑦ FINISH ; SIGNAL CONTACT : UNDER PL Ni 0.0013mm MIN ALL OVER.  
CONTACT AREA 0.00076mm MIN Au PL.  
SOLDERING AREA 0.001mm MIN TIN PL.  
GROUND CONTACT : UNDER PL Ni 0.0013mm MIN ALL OVER.  
CONTACT AREA 0.00076mm MIN Au PL.  
SOLDERING AREA 0.001mm MIN TIN PL.  
SOLDER PEG : 0.001mm MIN TIN PL. OVER  
0.0013mm MIN Ni PL ALL OVER.

	△	61.8	57.7	59.5	57.1	54.5	220	BLACK	3-5353652-9
HM-15	△	61.8	57.7	59.5	57.1	54.5	220	BLACK	3-5353652-8
	△	46.8	42.7	44.5	42.1	39.5	160	NATURAL	6-5353652-2
	△	46.8	42.7	44.5	42.1	39.5	160	NATURAL	1-5353652-2
	△	61.8	57.7	59.5	57.1	54.5	220	BLACK	3-5353652-6
LUBRICANT	PLATING SPEC	G	F	E	D	C	POS OF EACH CONNECTOR	HSG COLOR	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN	CHK	APVD	NAME
0 PLC ± 0.25	1 PLC ± 0.15	PRODUCT SPEC	APPLICATION SPEC	WEIGHT	CUSTOMER DRAWING
2 PLC ± 0.10	3 PLC ± 0.05	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
4 PLC ± 0.025	ANGLES ± 3'	A3	00779	G=5353652	
MATERIAL	FINISH	SCALE 4:1		SHEET 6 OF 9	
①	②	REV D1			

**TE** TE Connectivity Ltd.

**HARD TRAY ASSY**  
FH 0.5BTB CONNECTOR  
PLUG 8H W/G-PLATE ON 2ROW CAP

4

3

2

1

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REVISIONS

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

Technical drawing of a reference P.C. board layout. The drawing shows a central horizontal axis labeled "CENTER LINE OF -Y-". Dimensions include: 0.3 ±0.03, 0.15 ±0.03, 0.25, PITCH 0.5, 0.3 ±0.03, 0.04 Y, POS.1, 12 ±0.05, 3.3 ±0.05, ±0.15, ø1.6, ±0.05, 1.65, ±0.05, H, ±0.05, F, ±0.05, 1.65 ±0.05, -Y-, ø0.9 ±0.15, MIN. 1.2, ±0.05, 4.2, MIN. 1.2, and R. A coordinate system with X and Y axes is shown at the bottom right.

REFERENCE P.C. BOARD LAYOUT

59.5	57.7	440	3-5353652-9
59.5	57.7	440	3-5353652-8
59.5	57.7	440	3-5353652-7
44.5	42.7	320	6-5353652-2
44.5	42.7	320	1-5353652-2
59.5	57.7	440	3-5353652-6
H	F	POS	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
MM

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC	± 0.25
1 PLC	± 0.15
2 PLC	± 0.10
3 PLC	± 0.05
4 PLC	± 0.0250
ANGLES	± 3°

MATERIAL

FINISH

DWN	---
CHK	---
APVD	---
PRODUCT SPEC	---
APPLICATION SPEC	---
WEIGHT	---

TE Connectivity Ltd.

NAME			
HARD TRAY ASSY			
FH 0.5BTB CONNECTOR			
PLUG 8H W/G-PLATE ON 2ROW CAP			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C=5353652	---

CUSTOMER DRAWING

SCALE 4:1

SHEET 7 OF 9

REV D1

1470-19 (1/15)

4

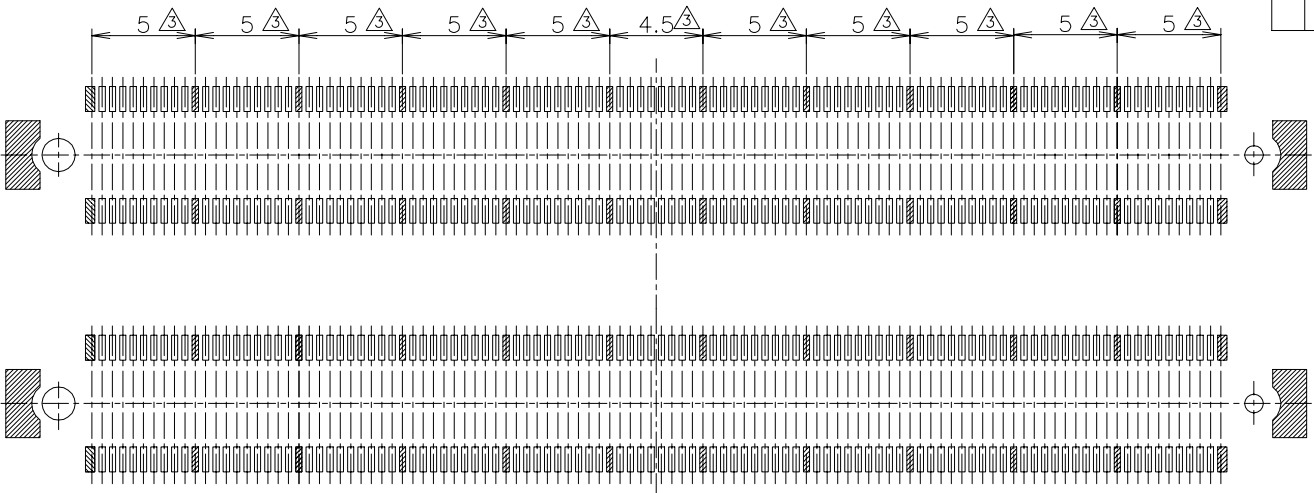
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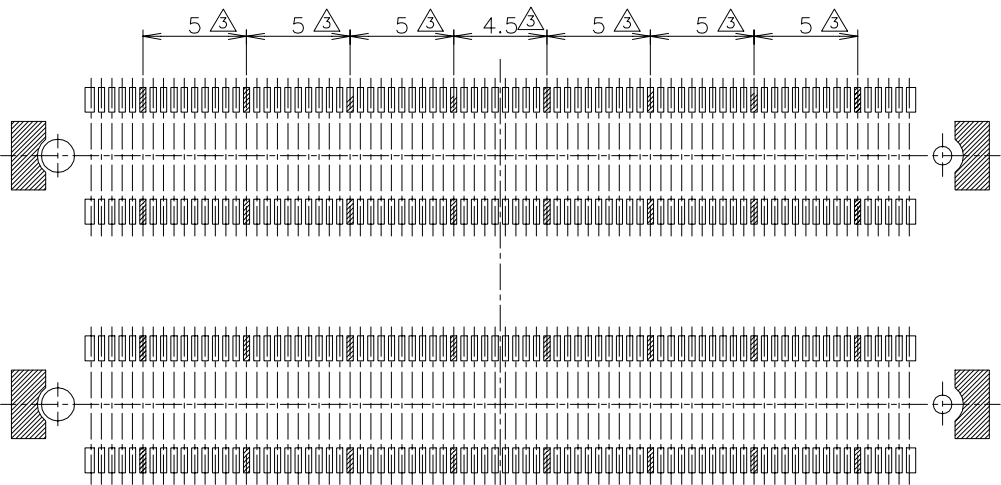
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



440P



320P

### P.C. BOARD LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TE Connectivity Ltd.					
DIMENSIONS: MM		CHK				NAME HARD TRAY ASSY FH 0.5BTB CONNECTOR PLUG 8H W/G-PLATE ON 2ROW CAP		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD						
0 PLC ± 0.25 1 PLC ± 0.15 2 PLC ± 0.10 3 PLC ± 0.05 4 PLC ANGLES ± 0.025 ± 3°		PRODUCT SPEC						
MATERIAL		APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO			
FINISH		WEIGHT	A3	00779	C=5353652			
CUSTOMER DRAWING			SCALE	SHEET	REV			
			4:1	8 OF 9	D1			



4

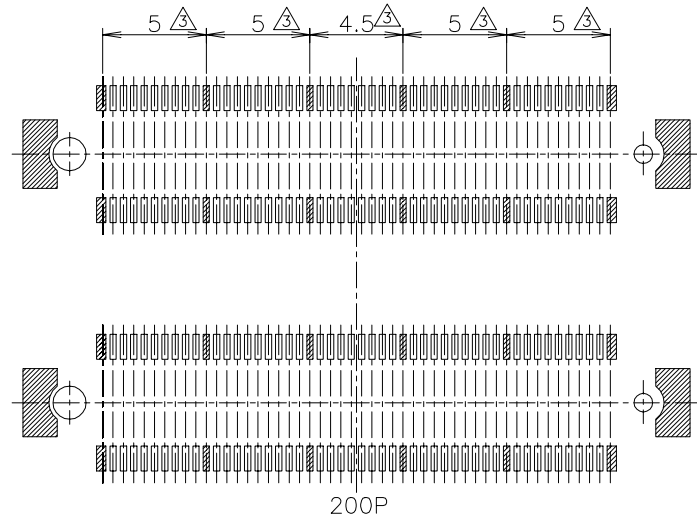
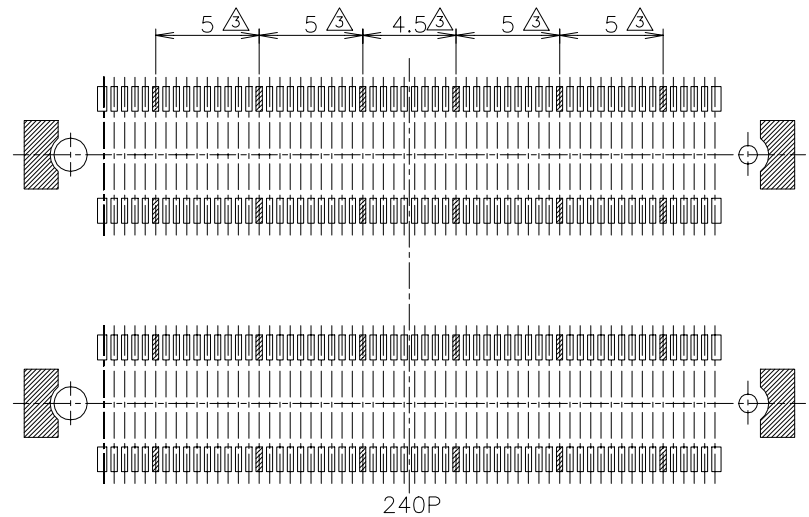
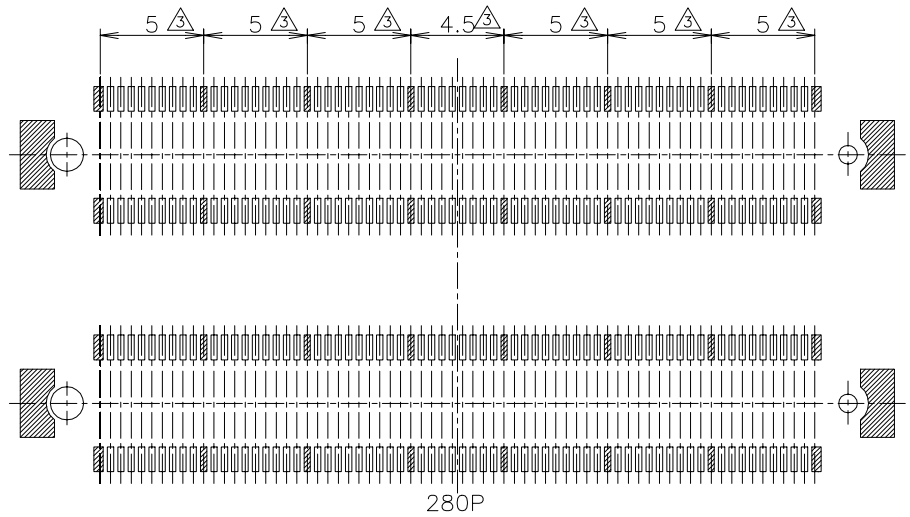
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	_____
CHK	_____
APVD	_____
PRODUCT SPEC	_____
APPLICATION SPEC	_____
WEIGHT	_____
CUSTOMER DRAWING	_____

DIMENSIONS: MM		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC	± 0.25		
1 PLC	± 0.15		
2 PLC	± 0.10		
3 PLC	± 0.05		
4 PLC	± 0.0250		
ANGLES	± 3'		

**STE** TE Connectivity Ltd.

NAME: HARD TRAY ASSY  
FH 0.5BTB CONNECTOR  
PLUG 8H W/G-PLATE ON 2ROW CAP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C=5353652	_____

SCALE 4:1 SHEET 9 OF 9 REV D1