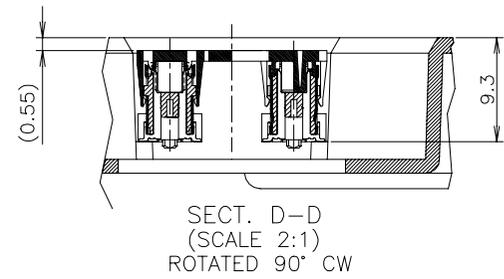
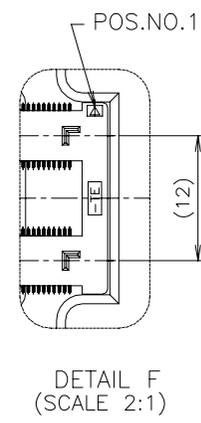
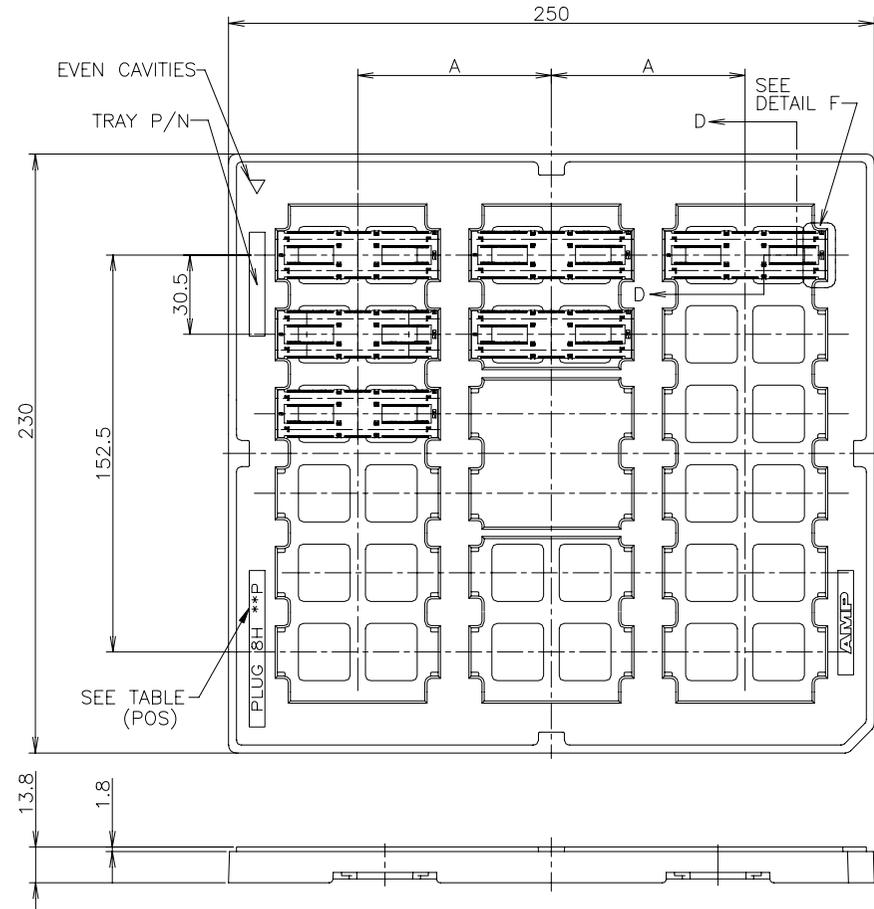


REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN APVD
D1		ECN-21-114380 : ADD MATED CONDITION	30AUG2021	AL HL

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.

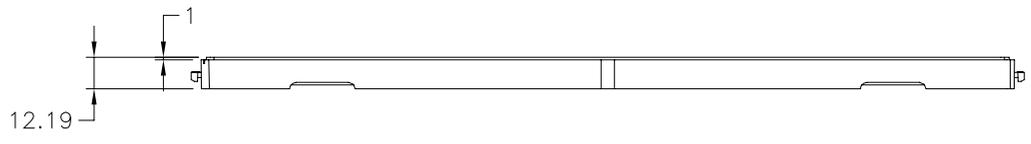
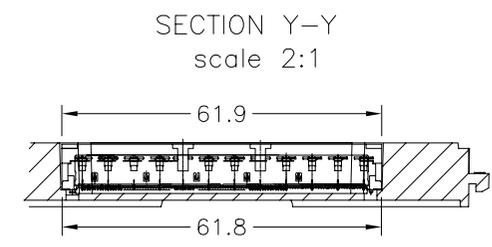
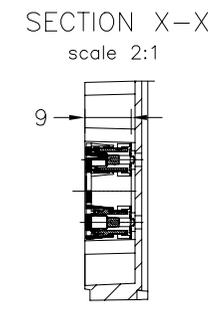
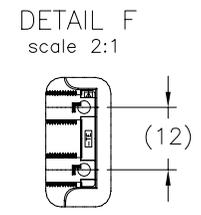
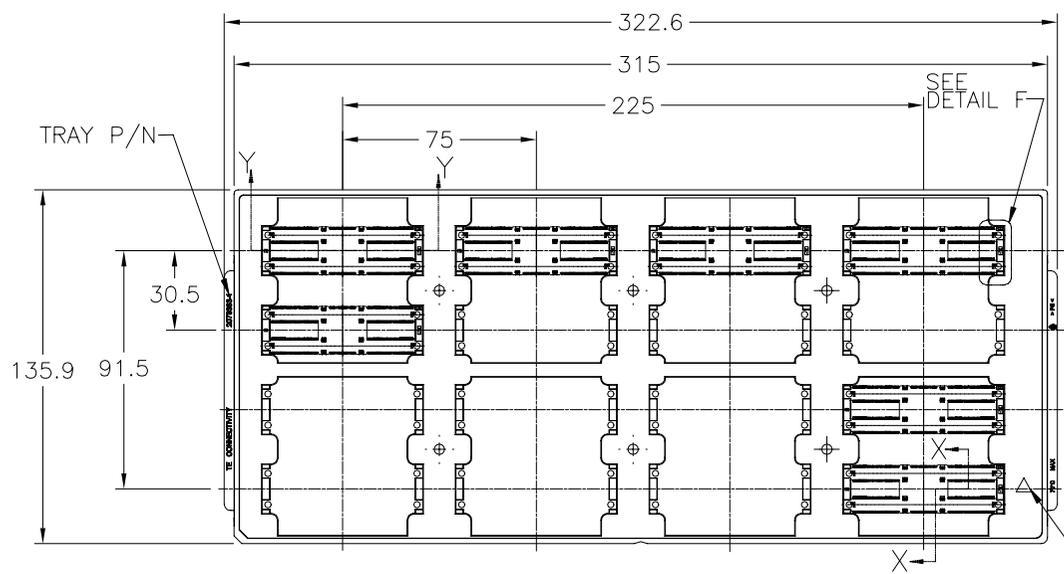
THIS DRAWING IS A CONTROLLED DOCUMENT.

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	NAME				
MATERIAL	WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO G=5353652	RESTRICTED TO
CUSTOMER DRAWING		SCALE 1:2	SHEET 1 OF 9	REV D1	

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

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

3-5353652-7 PACKAGE : AS SHOWN



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	CAGE CODE 00779	DRAWING NO G=5353652	RESTRICTED TO
CUSTOMER DRAWING	SCALE 1:2	SHEET 2 OF 9	REV D1	

4

3

2

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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 18.75, a total height of 16.8, and a distance of 18.4 from the top edge to the center of the connector. A distance of 7.2 is shown from the center to the edge of the connector. A tolerance of  $\pm 0.1$  is indicated. Callouts include 'POS NO.1' and 'TRADE MARK' with a triangle symbol. Section lines A-A are shown.

Cross-sectional view of the connector assembly. Dimensions include a total height of 18.2, a distance of 3.9 from the top edge to the center of the connector, and a distance of 2 from the center to the edge of the connector. Callouts include '220POS/CONNECTOR'.

Side view of the connector assembly. A dimension of 8.75 is shown for the height of the connector housing.

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 18MAY05

CHK T. FUTATSUGI 18MAY05

APVD 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

TE Connectivity Ltd.

HARD TRAY ASSY

FH 0.5BTB CONNECTOR

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

A3

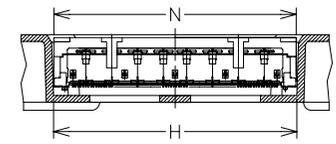
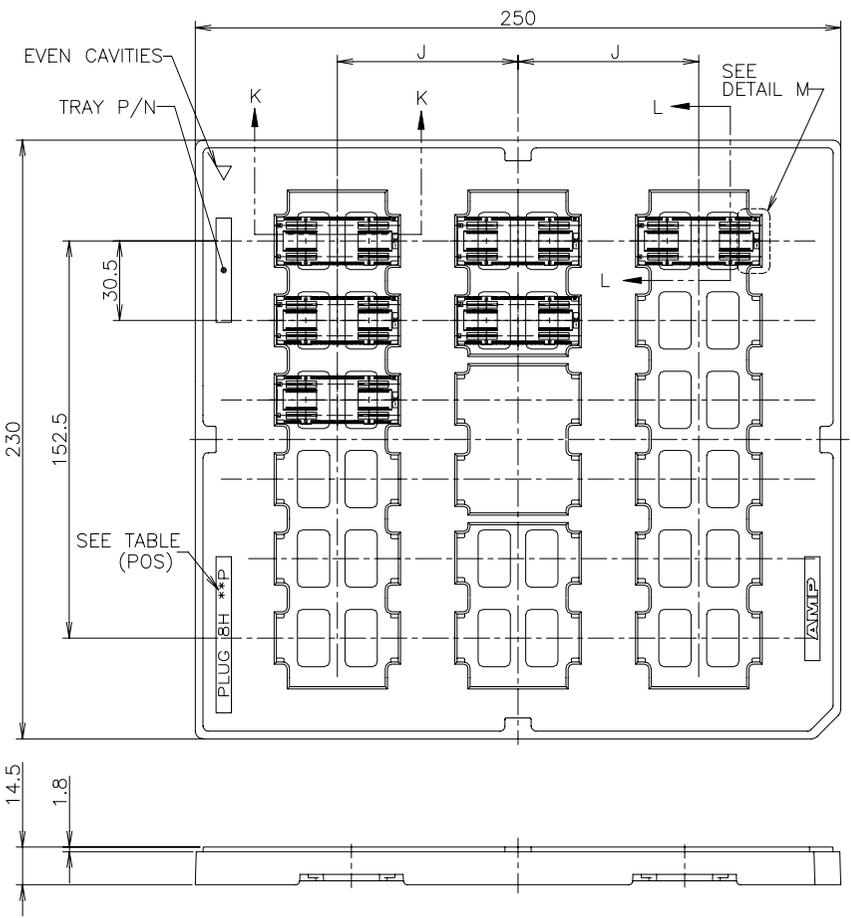
00779

C=5353652

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



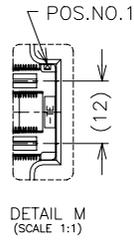
K-K  
(SCALE 1:1)

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	6-↑-6
↓	↓	↓	75	56.8	56.9	400	.	6-↓-5	6-↓-5
↓	↓	↓	70	51.8	51.9	360	.	6-↓-4	6-↓-4
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-↑-0	6-↑-0
↓	3	18	70	36.8	36.9	240	.	5-↑-9	5-↑-9
↓	5	30	43	31.8	31.9	200	.	5-↑-8	5-↑-8
↑	↑	↑	↑	29.3	29.4	180	.	5-↑-7	5-↑-7
↑	↑	↑	↑	26.8	26.9	160	.	5-↑-6	5-↑-6
↑	↑	↑	↑	24.3	24.4	140	.	5-↑-5	5-↑-5
↑	↑	↑	↑	21.8	21.9	120	.	5-↑-4	5-↑-4
↑	↑	↑	↑	19.3	19.4	100	.	5-↑-3	5-↑-3
↑	↑	↑	↑	16.8	16.9	80	.	5-↑-2	5-↑-2
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-↑-6	1-↑-6
↓	↓	↓	75	56.8	56.9	400	.	1-↓-5	1-↓-5
↓	↓	↓	70	51.8	51.9	360	.	1-↓-4	1-↓-4
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-↑-0	1-↑-0
↓	3	18	70	36.8	36.9	240	.	↑-9	↑-9
↓	5	30	43	31.8	31.9	200	.	↑-8	↑-8
↑	↑	↑	↑	29.3	29.4	180	.	↑-7	↑-7
↑	↑	↑	↑	26.8	26.9	160	.	↑-6	↑-6
↑	↑	↑	↑	24.3	24.4	140	.	↑-5	↑-5
↑	↑	↑	↑	21.8	21.9	120	.	↑-4	↑-4
↑	↑	↑	↑	19.3	19.4	100	.	↑-3	↑-3
↑	↑	↑	↑	16.8	16.9	80	.	↑-2	↑-2
NOT AVAILABLE	5	30	43	14.3	14.4	60	.	5353620-1	5353652-1

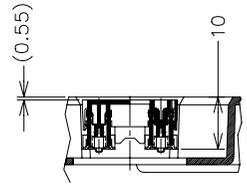
SEALANT (SIF-200B)

NON SEALANT

SEALANT



DETAIL M  
(SCALE 1:1)



L-L  
(SCALE 1:1)  
ROTATED 90°CW

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 FINISH ± 3'	DWN	NAME
		CHK	
		APVD	
		PRODUCT SPEC	
		APPLICATION SPEC	
MATERIAL		WEIGHT	
		CUSTOMER DRAWING	



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	SHEET	REV
4:1	4 OF 9	D1

4

3

2

1

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CAP SETTING CONDITION OF 1-5353652-2 &amp; 6-5353652-2

REVISIONS

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

Top view of the connector assembly. Dimensions include a total width of 16.2, a central width of 16, and a height of 18.4. A dimension of 7.8 is shown for a specific section. Features include 'POS NO.1' and a 'TRADE MARK' symbol (a triangle with a circle inside). A 'TE' logo is also present.

160POS/CONNECTOR

Side view of the connector assembly showing the 160-pin configuration. The pins are arranged in two rows of 80 pins each.

160POS/CONNECTOR

Cross-sectional view of the connector assembly showing the internal structure and a height dimension of 9.45.

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:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
MM	
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	_____
CUSTOMER DRAWING	_____

 TE Connectivity Ltd.

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 5 OF 9 REV D1

1470-19 (1/15)

4

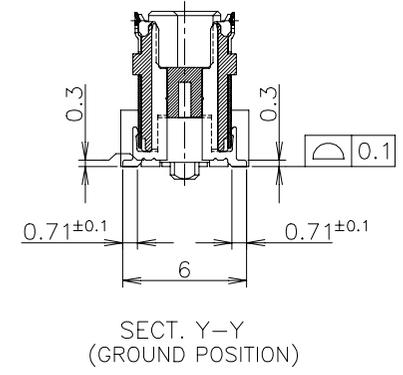
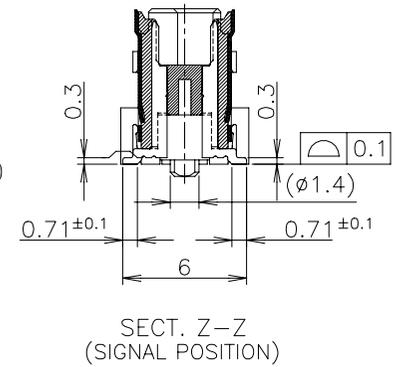
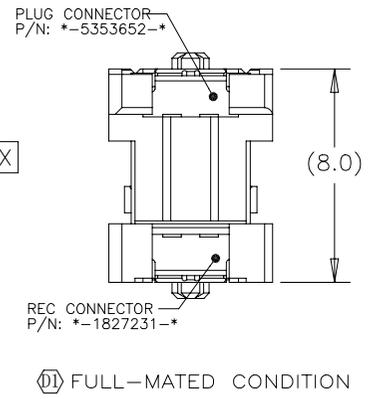
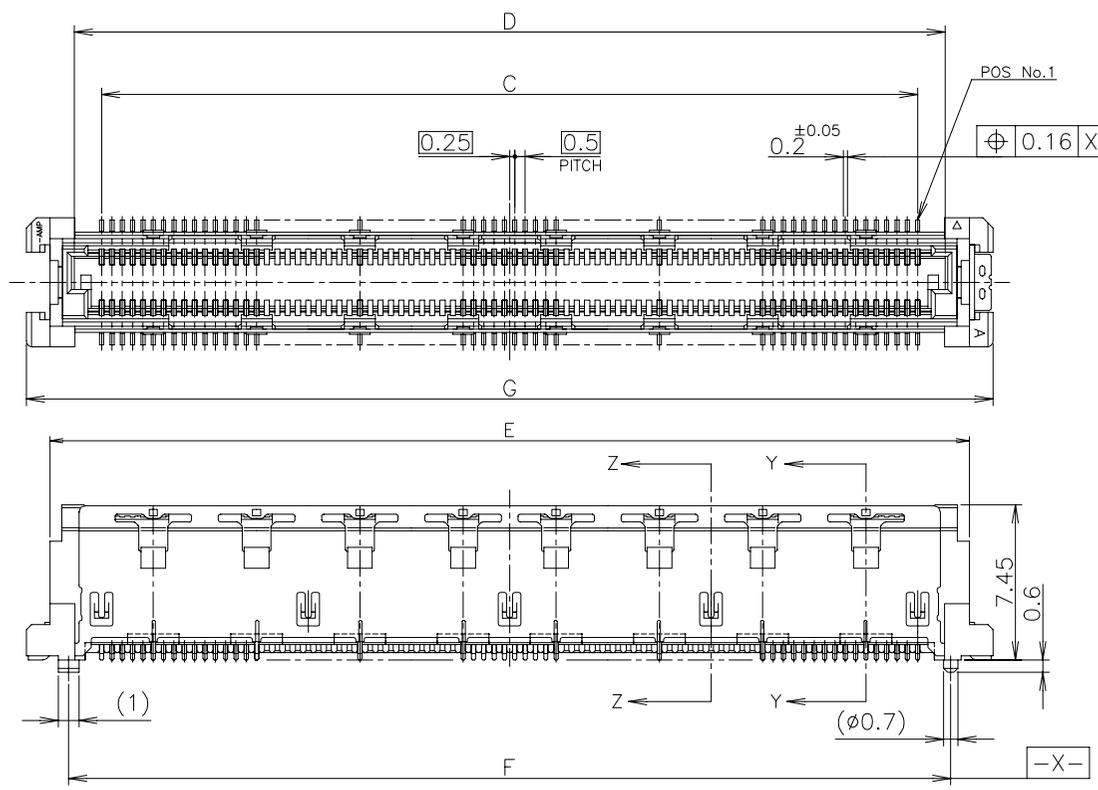
3

2

1

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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

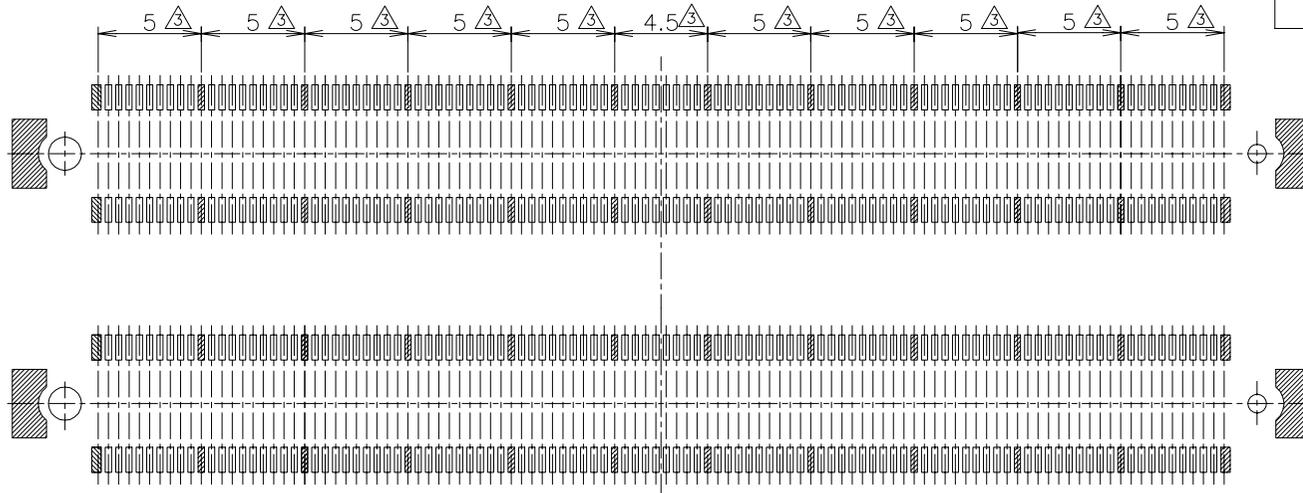
3

2

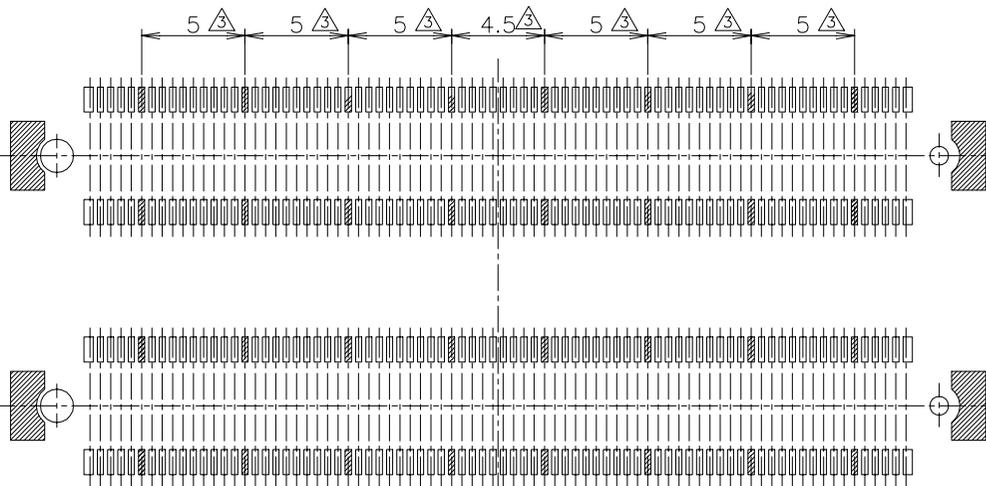
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



440P



320P

P.C. BOARD LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN _____		 <b>TE Connectivity Ltd.</b>	
DIMENSIONS: MM		CHK _____			
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 _____		FINISH _____		NAME	
		APPLICATION SPEC _____		HARD TRAY ASSY	
		WEIGHT _____		FH 0.5BTB CONNECTOR	
		CUSTOMER DRAWING		PLUG 8H W/G-PLATE ON 2ROW CAP	
		SCALE 4:1		RESTRICTED TO _____	
		SHEET 8 OF 9		REV D1	
		SIZE A3		CAGE CODE 00779	
		DRAWING NO. C=5353652			

4

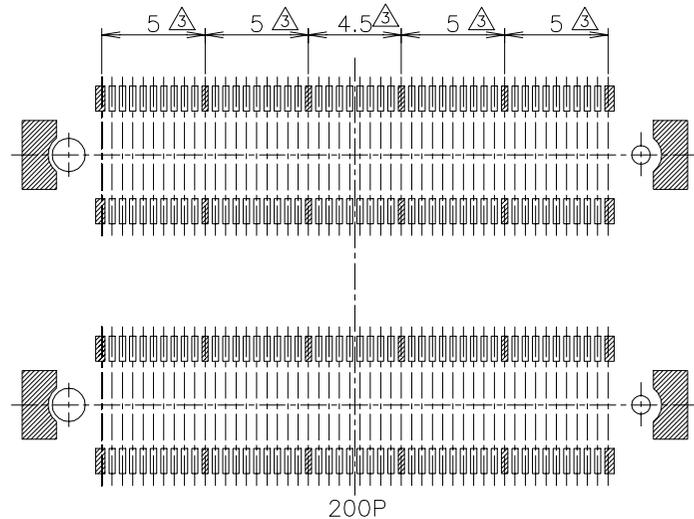
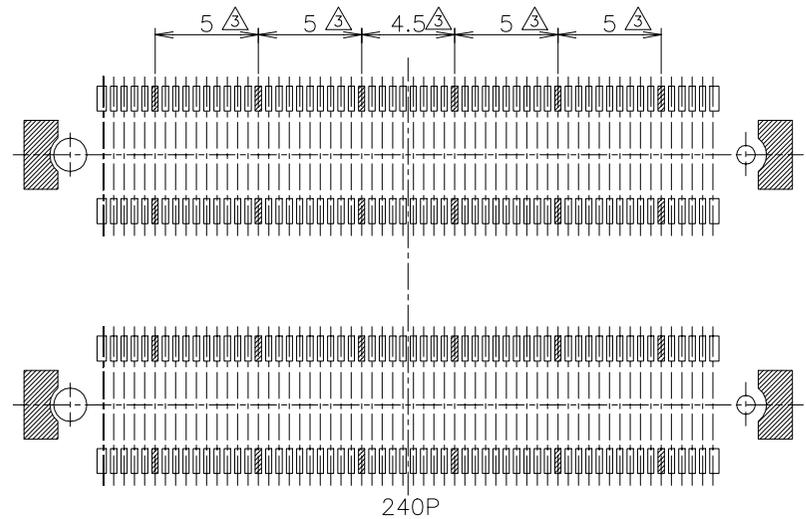
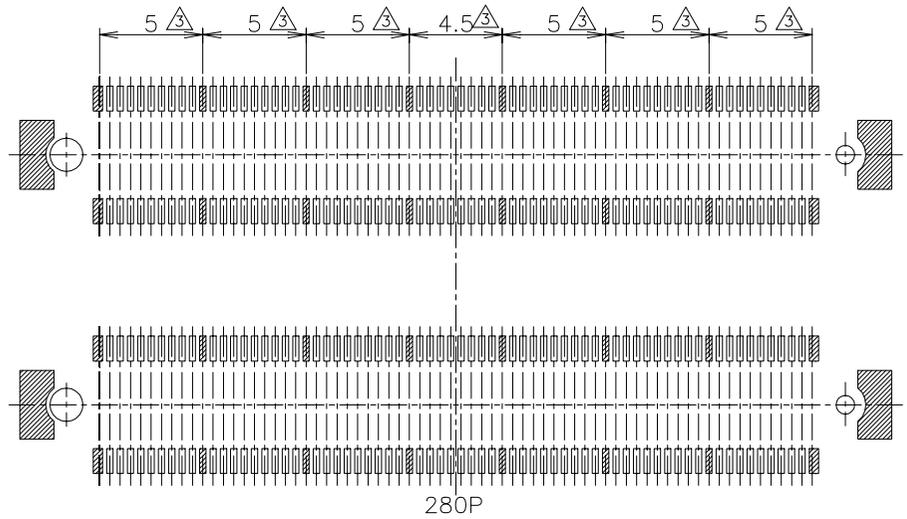
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2

1

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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:		NAME	
0 PLC	± 0.25	1 PLC	± 0.15	<b>TE</b> TE Connectivity Ltd. HARD TRAY ASSY FH 0.5BTB CONNECTOR PLUG 8H W/G-PLATE ON 2ROW CAP	
1 PLC	± 0.15	2 PLC	± 0.10		
2 PLC	± 0.10	3 PLC	± 0.05		
3 PLC	± 0.05	4 PLC	± 0.0250		
4 PLC	± 0.0250	ANGLES	± 3°	SIZE	A3
MATERIAL	FINISH			CAGE CODE	00779
				DRAWING NO	C=5353652
				RESTRICTED TO	_____
			SCALE	4:1	SHEET
			9 of 9		REV
					D1

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[3-5353652-6](#)