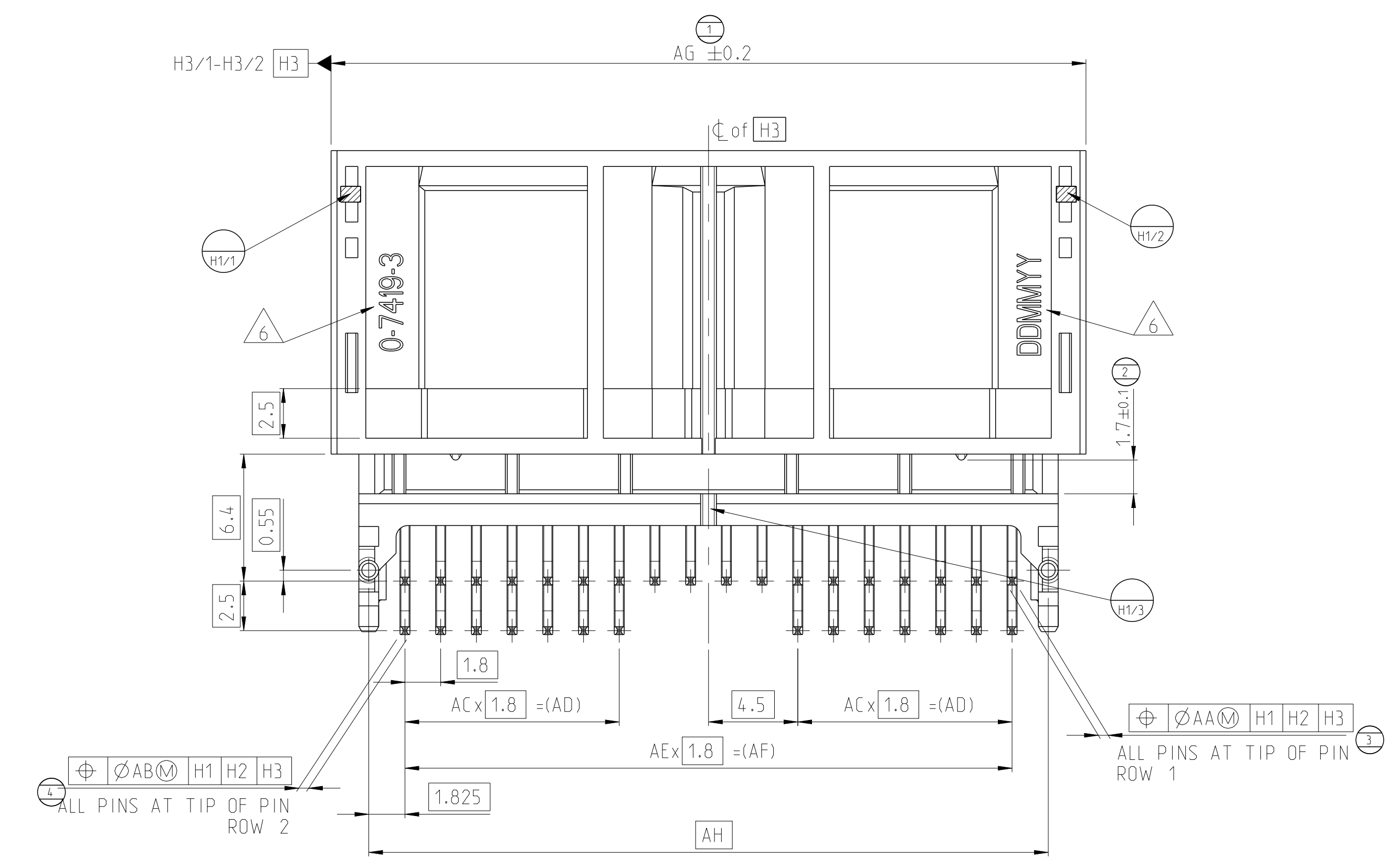


PARTNUMBER	DESCRIPTION	VARIABLE DIMENSIONS MARKED WITH "AA" UP TO "AZ"										
		AA	AB	AC	AD	AE	AF	AG	AH	AI	AK	AL
1. X-2177372-Y	8 POS. 90 DEG	0.50	0.50	0	0.0	5	9.0	16.45	12.65	11.05	0	11.75
2. X-2177370-Y	12 POS. 90 DEG	0.50	0.50	1	1.8	7	12.6	20.05	16.25	14.60	11.60	15.35
3. X-2177367-Y	20 POS. 90 DEG	0.55	0.55	3	5.4	11	19.8	27.25	23.45	14.65	18.95	22.55
4. X-2177419-Y	32 POS. 90 DEG	0.55	0.55	6	10.8	17	30.6	38.05	34.25	24.25	29.75	33.35

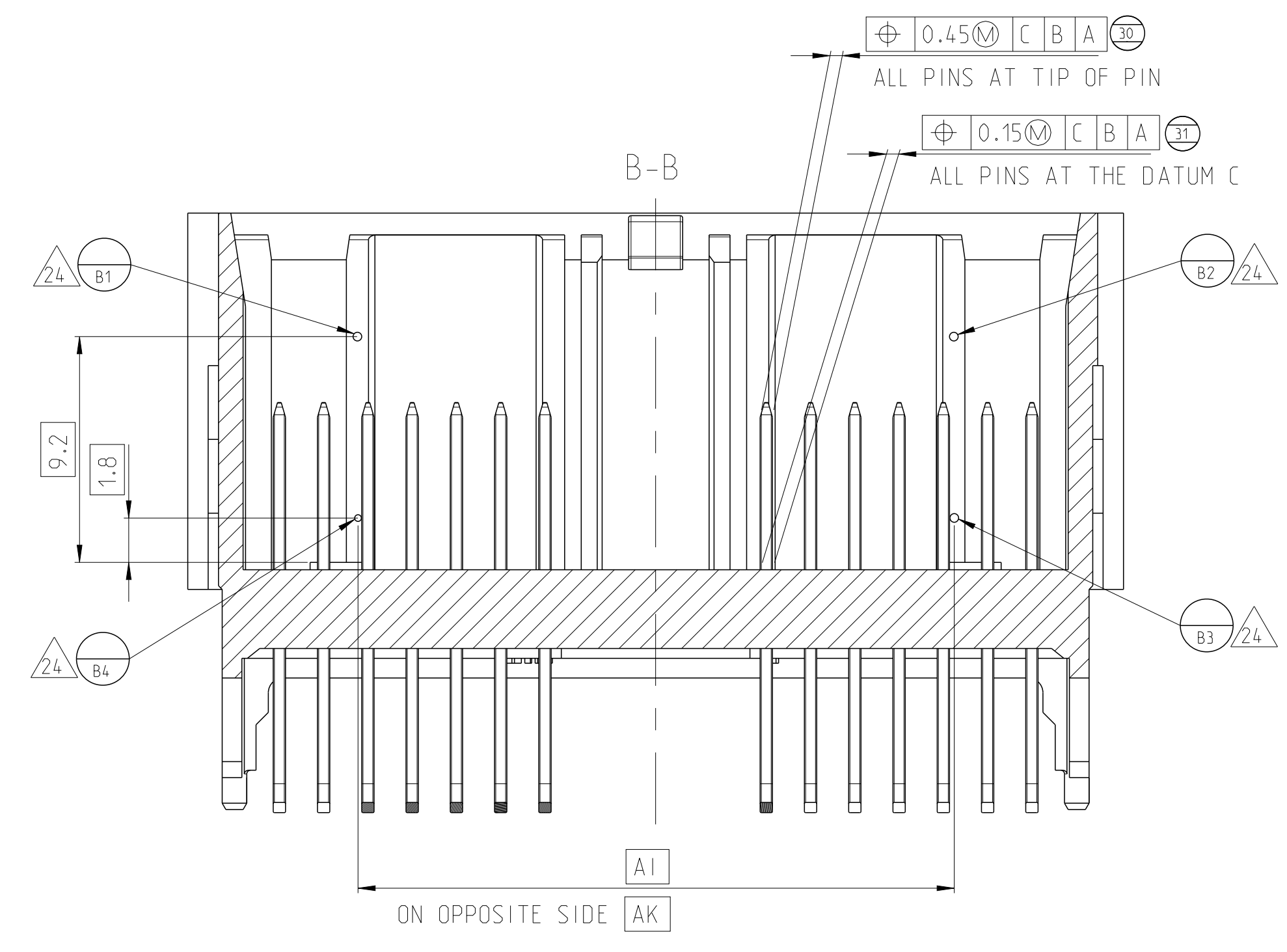
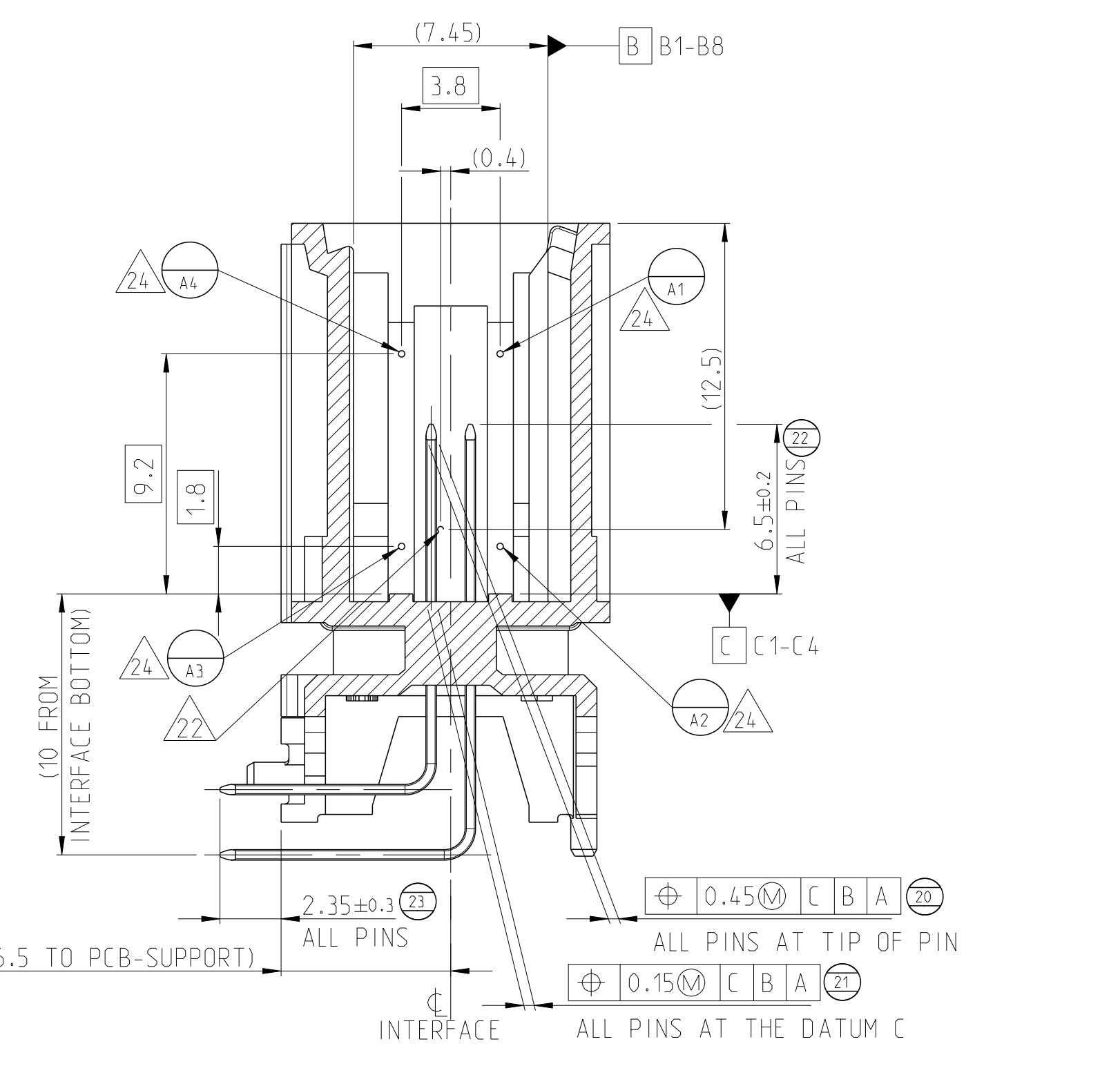
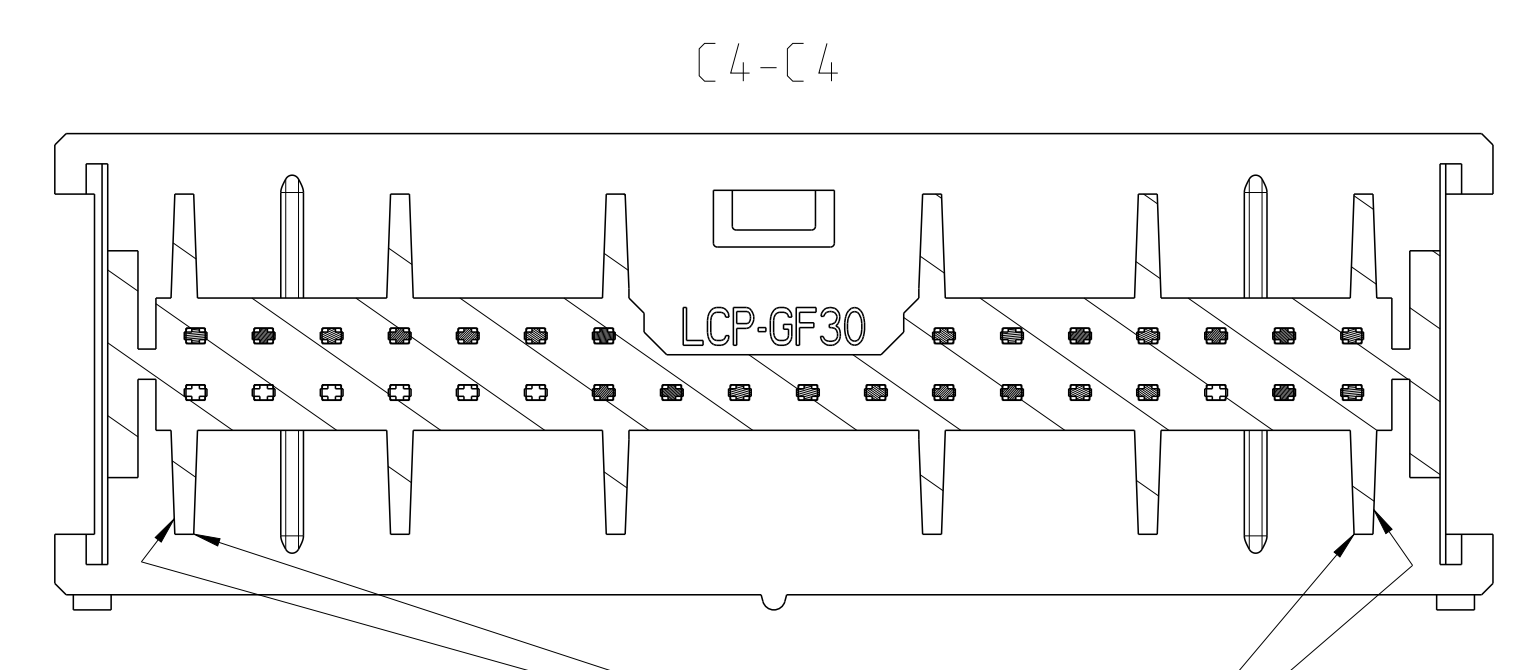
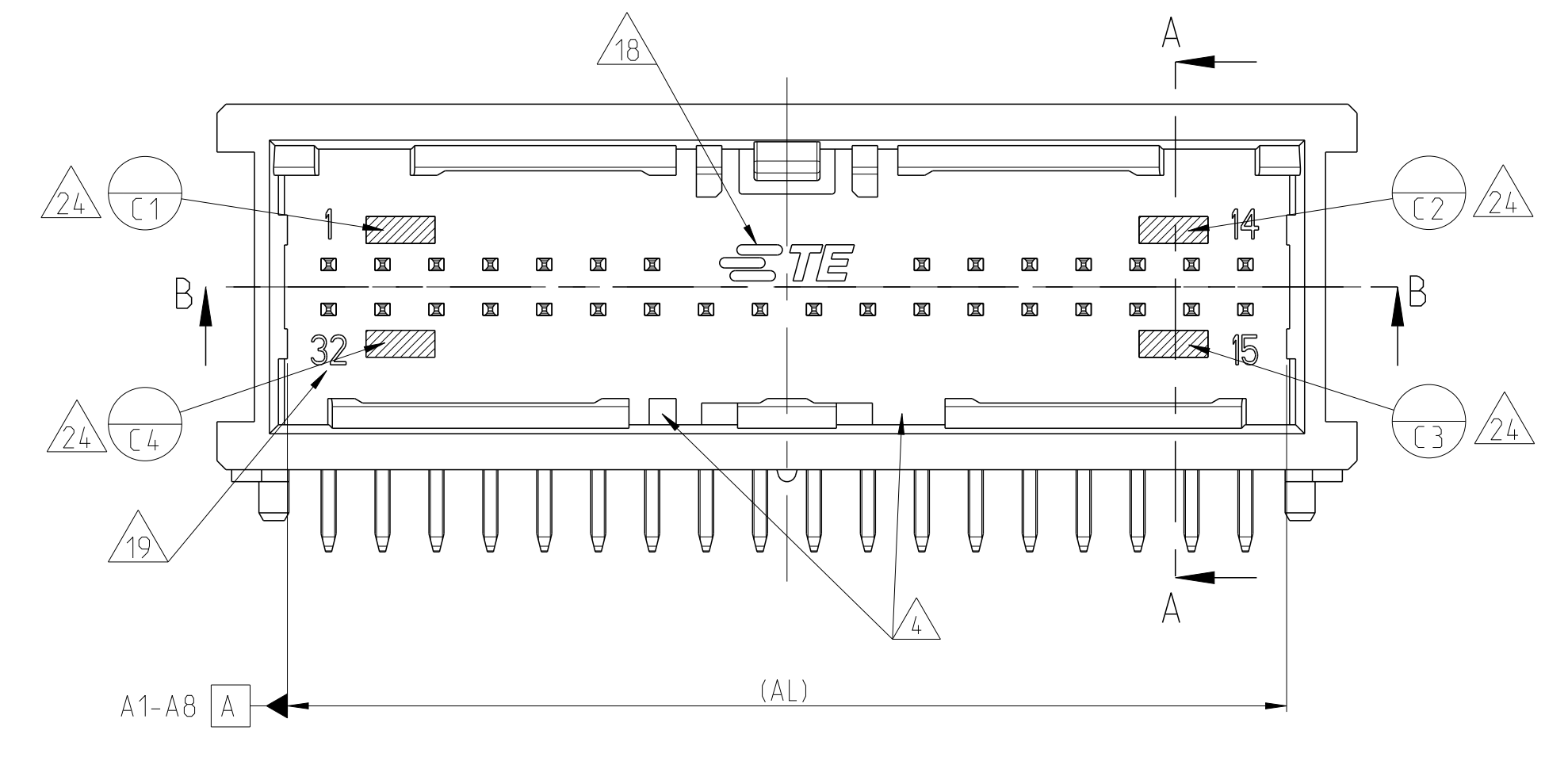
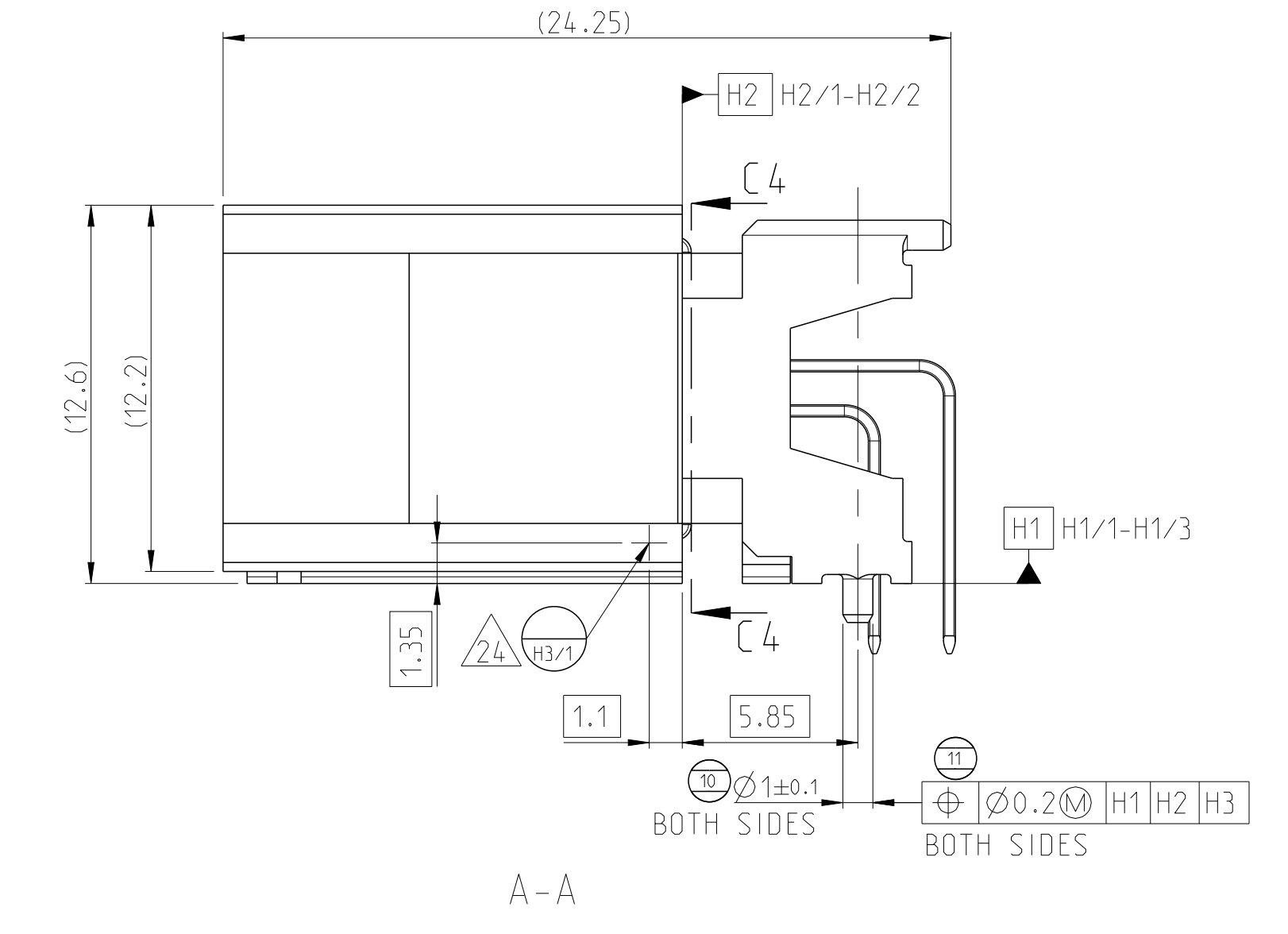
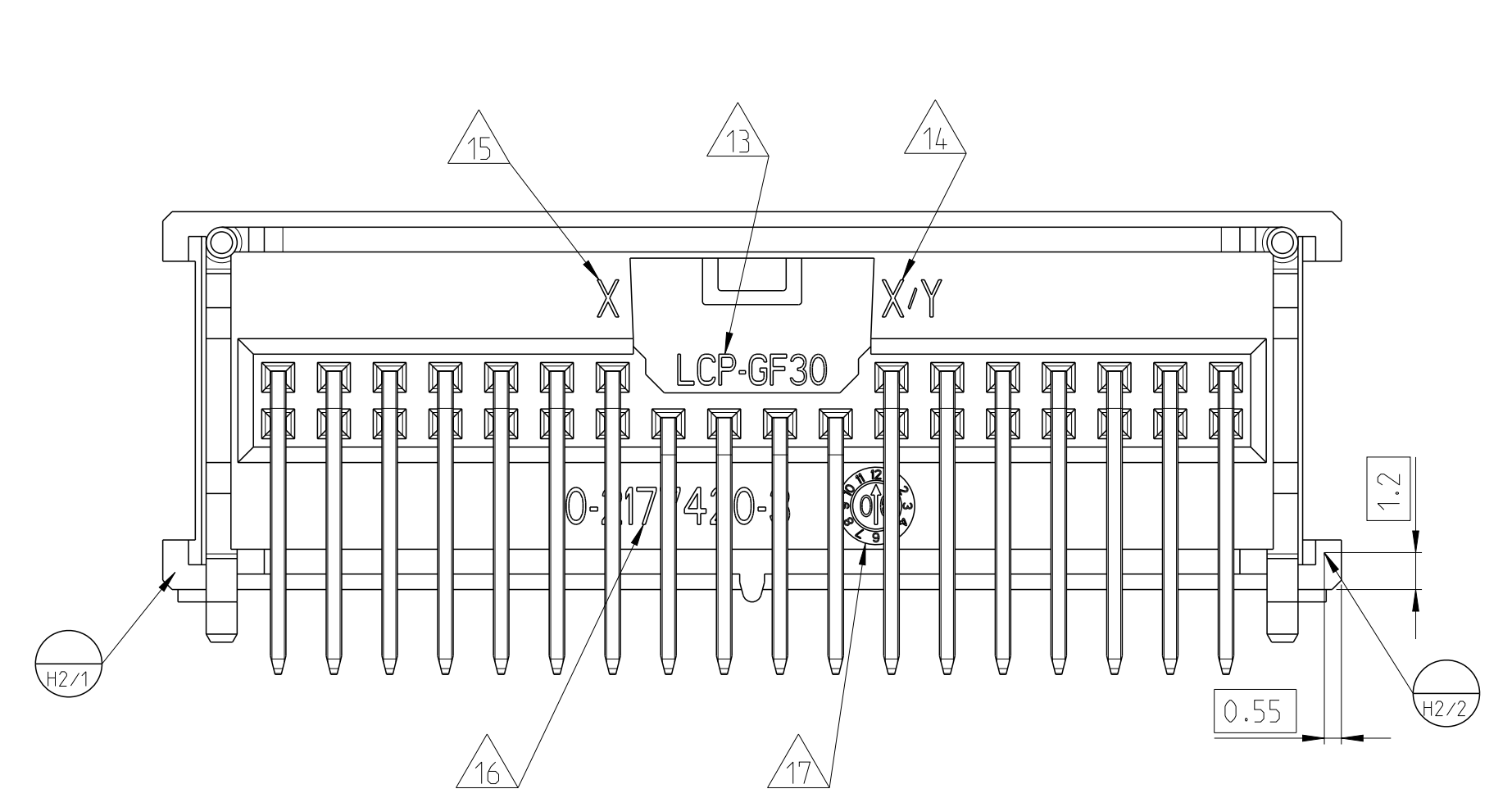
REVISIONS				
NO.	DATE	DESCRIPTION	BY	APPD.
D	07NOV2017	small rfd added and modification on coding	HO.	BECK
D1	E-25-252586		30.A02025	SH



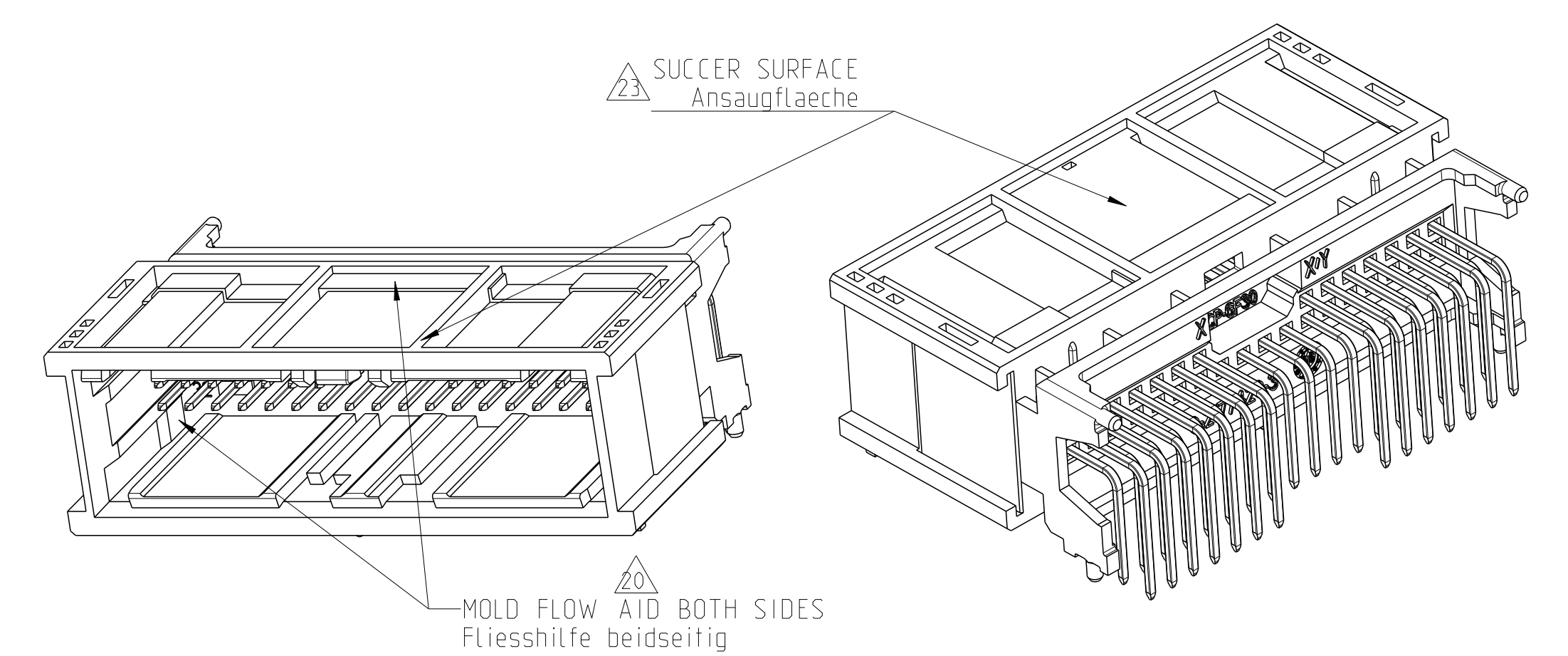
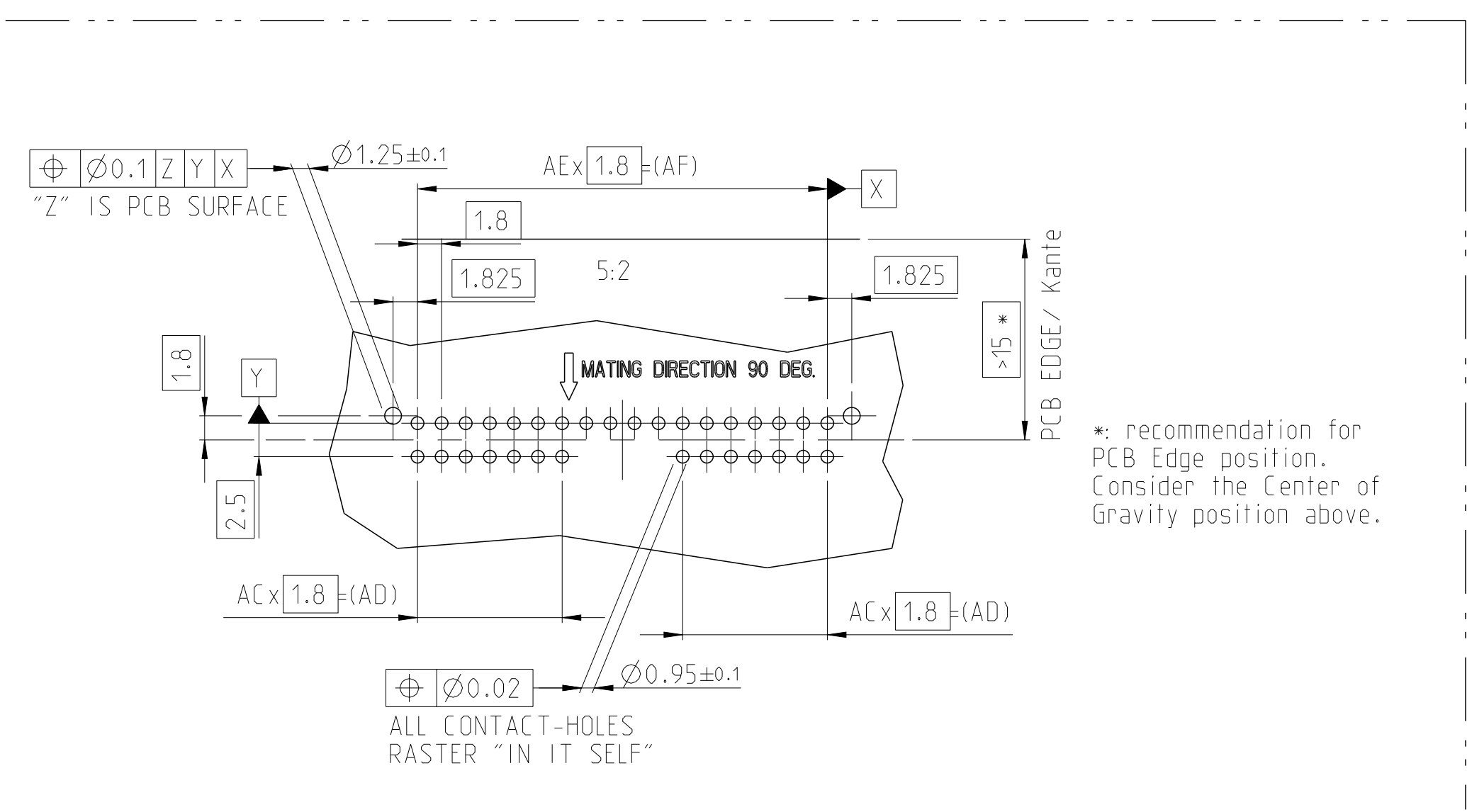
- NOTES:
Bemerkungen:
- MAX. REGRIND 25% IN ACCORDANCE WITH 118-18101-1 (CLOSED LOOP)
Max. Mahlgutanteil 25% gemäss 118-18101-1 (closed loop)
 - NO MIXED CONTACT-ARRANGEMENT OF Sn AND Au CONTACTS IN ONE ROW
NOT EQUIPPED PIN CAVITIES ARE GENERALLY PERMITTED.
Keine Mischbestückung von Sn und Au Kontakten in einer Reihe zulaessig
Nicht bestueckte Pin Kammern duerfen generell frei bleiben.
 - LUBRICATION FOR SURFACE PROTECTION AND STITCHING PERMITTED
Schmierung der Kontakte fuer den Stichtprozess zulaessig
 - KEY CODINGS "A", "B", "C" AND "D" ACCORDING TO INTERFACE DRAWING 114-20160
Gehauekodierungen "A", "B", "C" und "D" nach Schnittstellenzeichnung 114-20160
 - CONTACT RETENTION FORCE 20N AT 25mm/min; (FOR PEAK FORCE Fmax.)
Kontakthaltekräft 20N bei 25mm/Min (gilt fuer Kraft Peak Fmax.)
 - POSITION FOR PRINT-MARKING / LASER-MARKING:
- ASSEMBLY PN WITH THE LAST 3 OR 4 DIGITS OF THE BASE-NUMBER
- PRODUCTION-DATE AS "INSPECTED GOOD PART MARKING"
Position für Bedruckung / Lasermarkierung:
- Assembly PN mit den letzten 3 bzw. 4 Ziffern der Basisnummer
- Produktionsdatum als "Gutteil-Markierung"
 - CORRESPONDING COUNTER PARTS SEE DWG C-2141576 OR C-230308B (FFC-VERSION)
Entsprechendes Gegenstueck siehe Zeichnung C-2141576 oder C-230308B (FFC-Variante)
 - THE DETAILS OF THE DESIGN ARE LEFT TO THE MANUFACTURER
Einzelheiten der Ausfuehrung bleiben dem Hersteller ueberlassen
 - MEASUREMENTS FOR SAMPLING AT ROOM-TEMPERATURE
SAMPLES TO BE STORED AT MINIMUM 2 HOURS AT ROOM-TEMPERATURE BEFORE MEASURING.
Die Ausmessung muss bei Raumtemperatur erfolgen
Die Teile muessen vor der Ausmessung mindestens 2 Stunde bei Raumtemperatur gelagert sein
 - PACKAGING ACC. TO verpackung gemäss

Description	PN	Packaging Instruction
8 pol 90°	2177372	V2177372
12 pol 90°	2177370	V2177370
20 pol 90°	2177367	V2177367
32 pol 90°	2177419	V2177419

- 114-20160 INTERFACE
114-20160 Schnittstellenzeichnung
- 114-94201 NanoMDS CONTACT PIN FOR SHROUDED CONNECTION
114-94201 NanoMDS Kontaktstift für Krugenananschluss.
- MATERIAL-IDENTIFICATION, HEIGHT 1.0
Materialkennzeichnung, Höhe 1.0
- TOOL CAVITY MARKING X/Y, HEIGHT 1.2
FOR HOUSING BELOW 12POS A SIZE ADAPTION IS PERMITTED
Werkzeug Nestmarkierung X/Y, Höhe 1.2
Grossenanpassung fuer Gehaeuse unter 12Pol erlaubt
- TE PART REVISION (HOUSING), HEIGHT 1.2
FOR HOUSING BELOW 12POS A SIZE ADAPTION IS PERMITTED
TE-Teilerrevision (Gehaeuse, Höhe 1.2
Grossenanpassung fuer Gehaeuse unter 12Pol erlaubt
- TE PART NUMBER (HOUSING), HEIGHT 1.2
FOR HOUSING BELOW 12POS A SIZE ADAPTION IS PERMITTED
TE-Teilenummer (Gehaeuse, Höhe 1.2
Grossenanpassung fuer Gehaeuse unter 12Pol erlaubt
- DATE CLOCK Ø2.5mm
FOR HOUSING BELOW 12POS A SIZE ADAPTION IS PERMITTED
Datumsuhr Ø2.5mm
Grossenanpassung fuer Gehaeuse unter 12Pol erlaubt
- TE LOGO
FOR HOUSING BELOW 12POS A SIZE ADAPTION IS PERMITTED
TE Firmenkennzeichen
Grossenanpassung fuer Gehaeuse unter 12Pol erlaubt
- CONTACT CAVITY MARKING, HEIGHT 1.0
Kontaktkammermarkierung, Höhe 1.0
- MOLD FLOW AID IN THIS AREA CONCERNS ONLY 20POS AND 32POS
Fließhilfe betrifft in diesem Bereich nur 20Pol und 32Pol
- A STRAIN RELIEF (PUSH/PULL) FROM THE UNIT HOUSING HAS TO BE ENSURED BY THE CUSTOMER
Eine Zug- und Drueckenlastung des Gehaeuses ist durch den Kunden sicherzustellen
- PART "CENTER OF GRAVITY"
Teileschwerpunkt
- AREA FOR PICK & PLACE, POSSIBLE SUCCER-SURFACE Ø8mm
Bereich zum Ansaugen fuer Pick & Place, Moegliche Ansauglaeche Ø8mm
- REFERENCE POINTS A5, A6, A7, A8 ARE ON THE OPPOSITE SIDE OF A1, A2, A3, A4
REFERENCE POINTS B5, B6, B7, B8 ARE ON THE OPPOSITE SIDE OF B1, B2, B3, B4/ (BPOS B1-B6)
REFERENCE POINTS C1-C4/ (BPOS C1-C3)
REFERENCE POINTS H3/2 ON THE OPPOSITE SIDE OF H3/1
Bezugspunkte zu A5, A6, A7, A8 auf der gegenueberliegenden Seite von A1, A2, A3, A4
Bezugspunkte zu B5, B6, B7, B8 auf der gegenueberliegenden Seite von B1, B2, B3, B4/ (BPOS B1-B6)
Bezugspunkte C1-C4/ (BPOS C1-C3)
Bezugspunkte H3/2 auf der gegenueberliegenden Seite von H3/1



RECOMMENDED SURFACE FOR PLACEMENT
IN A SURROUNDED HOUSING
Empfohlene Oberflaechen fuer eine
Platzierung in einem Umghaeuse

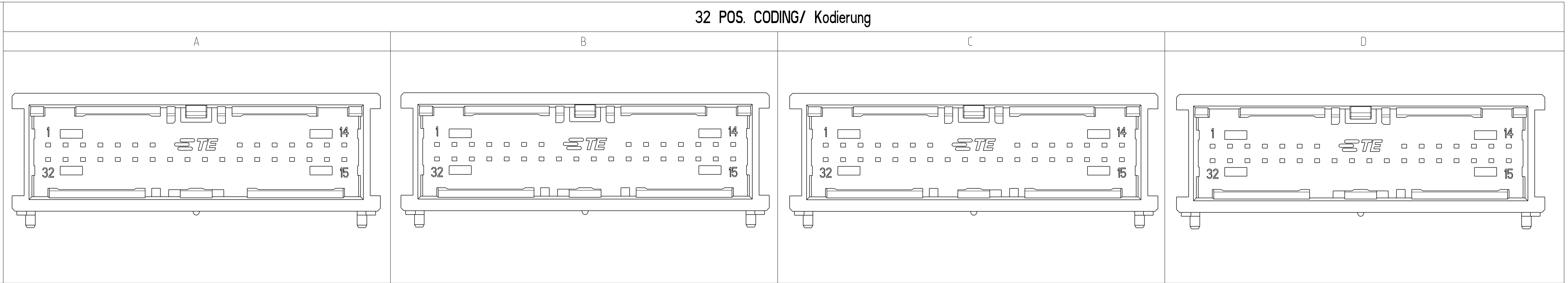


AS SHOWN 0-2177419-3
Abgebildet ist PN 0-2177419-3

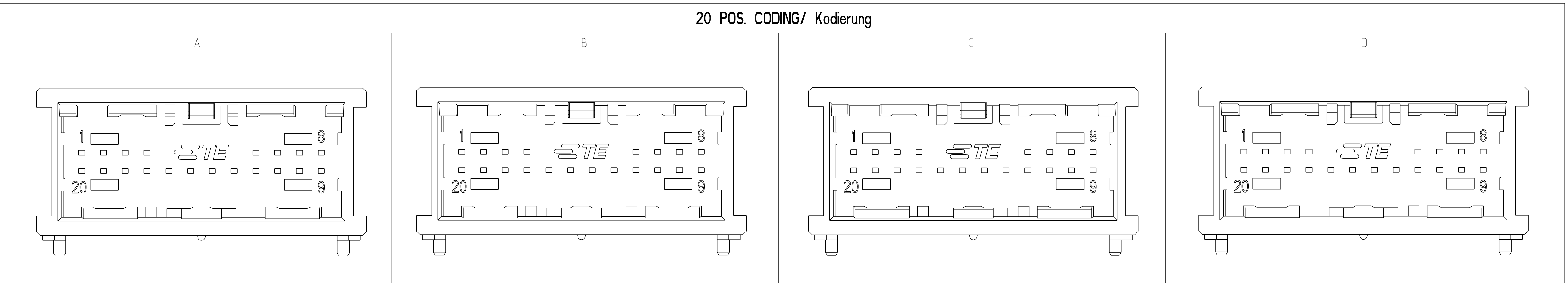
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DRAWN: [blank]	CHECKED: [blank]	DESIGNED: [blank]	APPROVED: [blank]	NAME: 32POS.TAB 0.5X0.4.HEADER ASSY
MATERIAL: [blank]	FINISH: [blank]	WEIGHT: [blank]	SCALE: 1:1	RESTRICTION: [blank]
CUSTOMER DRAWING		SCALE: 5:1	SHEET: 1 of 2	REV: 1

REVISIONS			
REV	DATE	DESCRIPTION	APPD
-	-	SEE SHEET 1	-

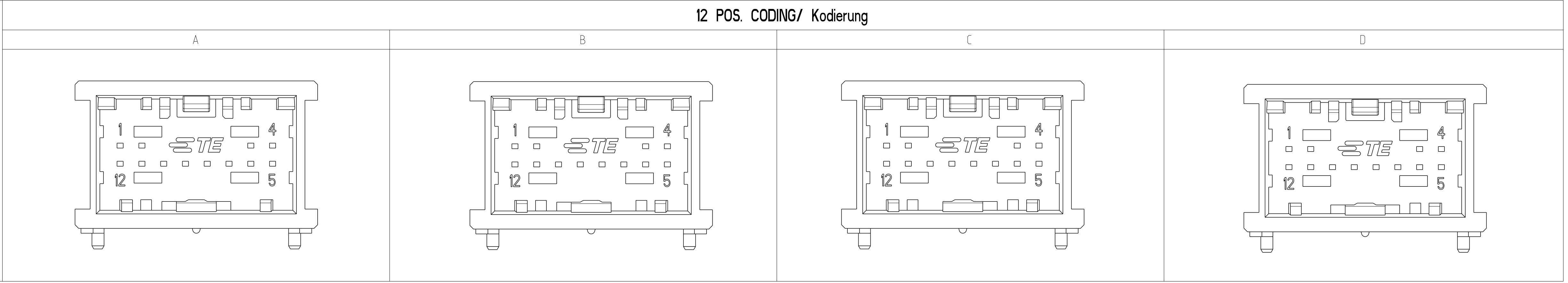
32 POS. THT, 90°												
PN	COD.	REV. ASSY	DESCRIPTION	PACKAGING	WEIGHT (gr)	MATERIAL	COLOR	MATERIAL	FINISH	MATERIAL	FINISH	
7-2177419-3	D	D	32POS TL HEADER 90° THT	TAPE & REEL	5.13	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
6-2177419-3	C	D	32POS TL HEADER 90° THT	TAPE & REEL	5.13	LCP-GF30	GREY	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
5-2177419-3	B	D	32POS TL HEADER 90° THT	TAPE & REEL	5.13	LCP-GF30	NATURAL	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
4-2177419-3	A	D	32POS TL HEADER 90° THT	TAPE & REEL	5.13	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
3-2177419-3	D	D	32POS TL HEADER 90° THT	TRAY	5.13	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
2-2177419-3	C	D	32POS TL HEADER 90° THT	TRAY	5.13	LCP-GF30	GREY	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
1-2177419-3	B	D	32POS TL HEADER 90° THT	TRAY	5.13	LCP-GF30	NATURAL	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
0-2177419-3	A	D	32POS TL HEADER 90° THT	TRAY	5.13	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
QUANTITY PER ASSEMBLY						NanoMQS HOUSING		NanoMQS TAB Long		NanoMQS TAB Short		
ITEM NO						1	2	3				



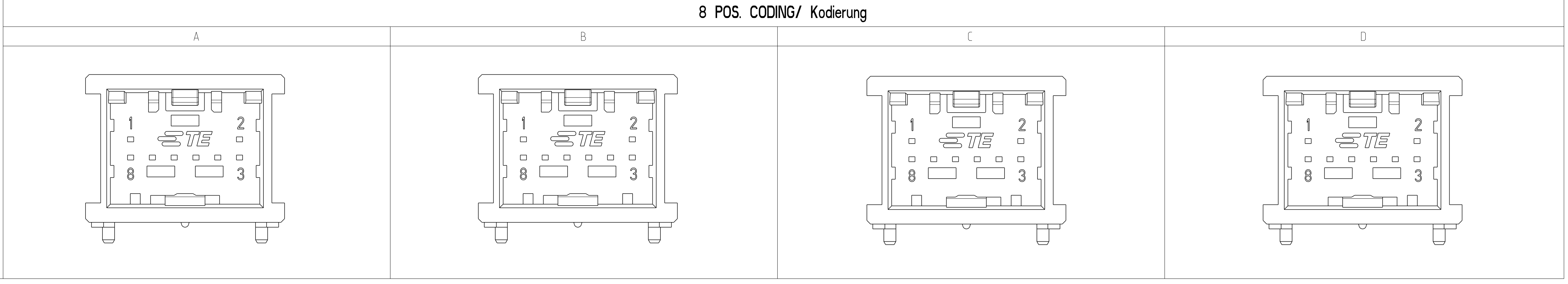
20 POS. THT, 90°												
PN	COD.	REV. ASSY	DESCRIPTION	PACKAGING	WEIGHT (gr)	MATERIAL	COLOR	MATERIAL	FINISH	MATERIAL	FINISH	
7-2177367-3	D	D	20POS TL HEADER 90° THT	TAPE & REEL	3.747	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
6-2177367-3	C	D	20POS TL HEADER 90° THT	TAPE & REEL	3.747	LCP-GF30	GREY	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
5-2177367-3	B	D	20POS TL HEADER 90° THT	TAPE & REEL	3.747	LCP-GF30	NATURAL	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
4-2177367-3	A	D	20POS TL HEADER 90° THT	TAPE & REEL	3.747	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
3-2177367-3	D	D	20POS TL HEADER 90° THT	TRAY	3.747	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
2-2177367-3	C	D	20POS TL HEADER 90° THT	TRAY	3.747	LCP-GF30	GREY	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
1-2177367-3	B	D	20POS TL HEADER 90° THT	TRAY	3.747	LCP-GF30	NATURAL	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
0-2177367-3	A	D	20POS TL HEADER 90° THT	TRAY	3.747	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
QUANTITY PER ASSEMBLY						NanoMQS HOUSING		NanoMQS TAB Long		NanoMQS TAB Short		
ITEM NO						1	2	3				



12 POS. THT, 90°												
PN	COD.	REV. ASSY	DESCRIPTION	PACKAGING	WEIGHT (gr)	MATERIAL	COLOR	MATERIAL	FINISH	MATERIAL	FINISH	
7-2177370-3	D	D	12POS TL HEADER 90° THT	TAPE & REEL	2.843	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
6-2177370-3	C	D	12POS TL HEADER 90° THT	TAPE & REEL	2.843	LCP-GF30	GREY	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
5-2177370-3	B	D	12POS TL HEADER 90° THT	TAPE & REEL	2.843	LCP-GF30	NATURAL	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
4-2177370-3	A	D	12POS TL HEADER 90° THT	TAPE & REEL	2.843	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
3-2177370-3	D	D	12POS TL HEADER 90° THT	TRAY	2.843	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
2-2177370-3	C	D	12POS TL HEADER 90° THT	TRAY	2.843	LCP-GF30	GREY	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
1-2177370-3	B	D	12POS TL HEADER 90° THT	TRAY	2.843	LCP-GF30	NATURAL	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
0-2177370-3	A	D	12POS TL HEADER 90° THT	TRAY	2.843	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
QUANTITY PER ASSEMBLY						NanoMQS HOUSING		NanoMQS TAB Long		NanoMQS TAB Short		
ITEM NO						1	2	3				



8 POS. THT, 90°												
PN	COD.	REV. ASSY	DESCRIPTION	PACKAGING	WEIGHT (gr)	MATERIAL	COLOR	MATERIAL	FINISH	MATERIAL	FINISH	
7-2177372-3	D	D	8POS TL HEADER 90° THT	TAPE & REEL	2.177	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
6-2177372-3	C	D	8POS TL HEADER 90° THT	TAPE & REEL	2.177	LCP-GF30	GREY	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
5-2177372-3	B	D	8POS TL HEADER 90° THT	TAPE & REEL	2.177	LCP-GF30	NATURAL	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
4-2177372-3	A	D	8POS TL HEADER 90° THT	TAPE & REEL	2.177	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
3-2177372-3	D	D	8POS TL HEADER 90° THT	TRAY	2.177	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
2-2177372-3	C	D	8POS TL HEADER 90° THT	TRAY	2.177	LCP-GF30	GREY	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
1-2177372-3	B	D	8POS TL HEADER 90° THT	TRAY	2.177	LCP-GF30	NATURAL	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
0-2177372-3	A	D	8POS TL HEADER 90° THT	TRAY	2.177	LCP-GF30	BLACK	CuMg0.1	Sn OVER Ni	CuMg0.1	Sn OVER Ni	
QUANTITY PER ASSEMBLY						NanoMQS HOUSING		NanoMQS TAB Long		NanoMQS TAB Short		
ITEM NO						1	2	3				



THIS DRAWING IS A CONTROLLED DOCUMENT. DATE: 23SEP2011

TE Connectivity

32POS.TAB 0.5X0.4.HEADER ASSY 90 DEG. THT

SCALE: 5:1 SHEET 2 OF 2 REV D1

finish_spec.2 CUSTOMER DRAWING