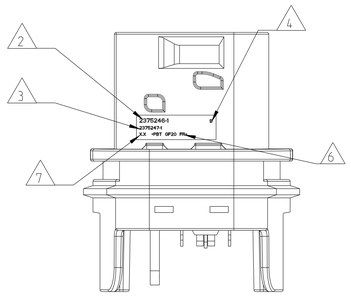
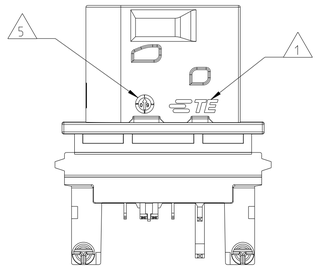
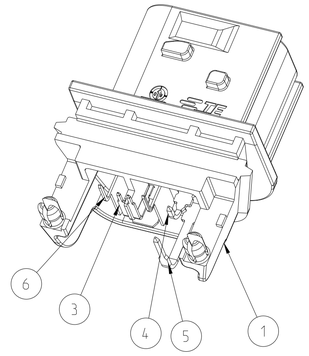
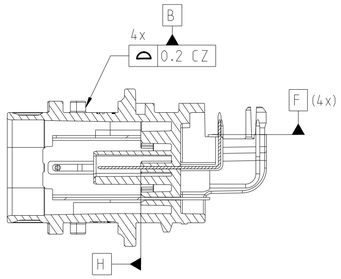
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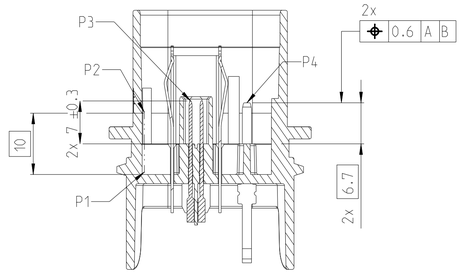


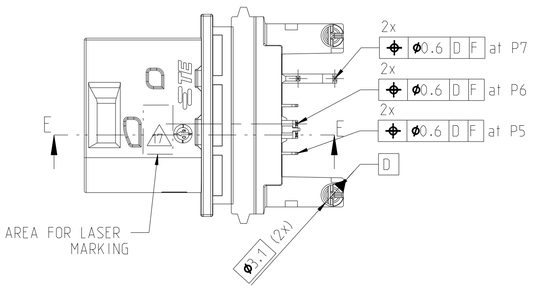


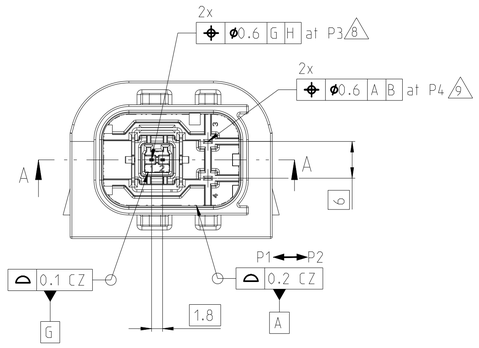
SECTION E-E

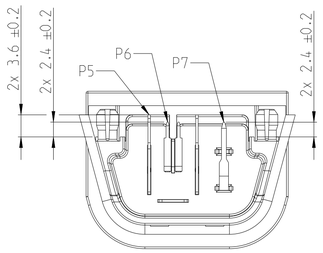


SECTION A-A







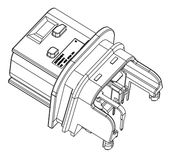


NOTES:
Bemerkungen:

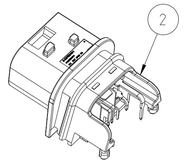
1. TE CONNECTIVITY (TE) LOGO
   TE Connectivity (TE) Logo
2. TE ASSEMBLY-NUMBER
   TE Baugruppennummer
3. TE SINGLE PART NUMBER
   TE Einzelteilnummer
4. LETTER INSERT FOR THE TOOL REVISION.
   Schrifteinsatz für Werkzeugänderungsindex.
5. PRODUCTION DATE WITH DATE-CLOCK
   Produktionsdatum mit Datumsuhr
6. MATERIAL MARKING ACCORDING TO VDA 260
   Materialkennzeichnung nach VDA 260
7. MOLD CAVITY MARKING
   Nestmarkierung
8. PLATING SPECIFICATION 0.5 TAB:
   CONTACT AREA: MIN. 4MM FROM CONTACT TIP >3µm ELECTROPLATED SILVER OVER NICKEL
   SOLDER TAIL AREA: MIN. 3.5MM FROM SOLDER TAIL TIP COVERED WITH 3-8µm TIN OVER NICKEL UNDERPLATING: ELECTROPLATED NICKEL
   Beschichtungsspezifikation 0.5 Tab:
   Kontaktbereich: min. 4mm von der Kontaktspitze >3µm galvanisch Silver über Nickel
   Lötbereich: min. 3.5mm von der Lötspitze 3-8µm verzinnt über Nickel Grundbeschichtung: galvanisch Nickel
9. PLATING SPECIFICATION 1.5 TAB:
   CONTACT AREA: MIN. 6MM FROM CONTACT TIP >3µm ELECTROPLATED SILVER OVER NICKEL
   SOLDER TAIL AREA: MIN. 4MM FROM SOLDER TAIL TIP COVERED WITH 3-10µm TIN OVER NICKEL UNDERPLATING: ELECTROPLATED NICKEL
   Beschichtungsspezifikation 1.5 Tab:
   Kontaktbereich: min. 6mm von der Kontaktspitze >3µm galvanisch Silber über Nickel
   Löbereich: min. 4mm von der Lötspitze 3-10µm verzinnt über Nickel Grundbeschichtung: galvanisch Nickel
10. TIP OF SOLDER TAIL CAN BE INSERTED INTO RECOMMENDED PCB (t=1.2 OR t=1.6)
    THE DESIGN IS OPTIMIZED FOR A PCB WITH t=1.6±0.16mm ONLY.
    Die Lötspitze kann in die empfohlenden PCBs eingeführt werden (t=1.2 oder t=1.6)
    Das Design is auf ein PCB mit t=1.6±0.16mm optimiert.
11. PACKED IN TRAY ACCORDING PACKAGING SPEC. V2375246
    Verpackt im Tray entsprechend Verpackungs-Spezifikation V2375246
12. TO BE MATED WITH HDSCnet CONNECTOR 2354261-1
    Zu verwenden mit HDSCnet Stecker 2354261-1
13. 100% ELECTRIC. CONTINUITY (LV TEST).
    SHORT CIRCUIT (HV TEST) AND PRESENCE TESTING
    100% elektrische-. Durchgangs-(LV Test). Kurzschluss-(HV Test)
    und Anwesenheitspruefung
14. MIN. RETENTION FORCE:
    min. Ausdrueckkraft:

    0.5 TAB: 15N 25MM/MIN
    1.5 TAB: 20N 25MM/MIN
15. THE HEADER WILL BE SOLDERD BY LEAD FREE WAVE SOLDER PROCESS
    Die Messerleiste wird mit einem bleifreien Wellen-Lötprozess verlötet.
16. USE GLOVES FOR MANUAL HANDLING
    Handschuhe bei manueller Handhabung verwenden
17. PROUCTION DATE OF ASSEMBLY: DDMMMYYYY 2 DIGIT DAY 3 LETTER MONTH 4 DIGIT YEAR E.G. 17NOV2016
    Produktionsdatum der Baugruppe: TTMMMJJJJ 2 Zahlen Tag 3 Buchstaben Monat 4 Zahlen Jahr Bsp. 17NOV2016
18. DIFFERENT CODINGS
    Unterschiedliche Kodierun

Regular Version
2375246-X
SCALE 1:1



Reverse Version
1-2375246-X
SCALE 1:1



REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	NEW DRAWING	09FEB2021	HPS	JB

ITEM NO.	1	2	3	4	5	6
REVISION	B	A	A	A	A	A
MATERIAL	PBT GF20 / V-0	PBT GF20 / V-0	CuNiSi	CuSn	CuSn	CrN1
DESCRIPTION	HD MATEnet 1-2 90° Header HSG. C	HD MATEnet 1-2 90° Header HSG. C Reverse	MATENET TAB	1.5x0.64 AMP MCP TAB Short	1.5x0.64 AMP MCP TAB Long	HD MATEnet Shield

TE ASSY NO.	CODING	REV	Qty. reqd per Assy						COLOUR	ITEM NO.
~~1-2375246-6~~	F	A	1	1	1	2	1	0	RED rot	12
~~1-2375246-5~~	E	A	1	1	1	2	1	0	WHITE weiss	11
~~1-2375246-4~~	D	A	1	1	1	2	1	0	BLUE blau	10
~~1-2375246-3~~	C	A	1	1	1	2	1	0	GREEN gruen	9
~~1-2375246-2~~	B	A	1	1	1	2	1	0	GREY grau	8
~~1-2375246-1~~	A	A	1	1	1	2	1	0	BLACK schwarz	7
~~2375246-6~~	F	A	1	1	1	2	0	1	RED rot	6
~~2375246-5~~	E	A	1	1	1	2	0	1	WHITE weiss	5
~~2375246-4~~	D	A	1	1	1	2	0	1	BLUE blau	4
~~2375246-3~~	C	A	1	1	1	2	0	1	GREEN gruen	3
2375246-2	B	A	1	1	1	2	0	1	GREY grau	2
2375246-1	A	A	1	1	1	2	0	1	BLACK schwarz	1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±1
1 PLC ±0.4
2 PLC ±0.1
3 PLC ±0.05
4 PLC ±0.025
ANGLES ±1°

MATERIAL -
FINISH -

DIMENSION AND TOLERANCES ACCORDING TO:
Bemaßungen und Toleranzen gemäß:
DIN ISO 20457
DIN EN ISO 8015 (ED) - DIN EN ISO 291
DIN EN ISO 14405-1/-2/-3

DWN	SUKSHITHA H P 09FEB2021
CHK	VISHNU PATAGAR 10FEB2021
APVD	J.BARTH 11FEB2021
PRODUCT SPEC	108-94818
APPLICATION SPEC	114-94694
WEIGHT	14.06 g

TE Connectivity

NAME: HD MATEnet 1+2pos HDR ASSY GRP C. 90DEG
HD MATEnet 1+2 pol. HDR Geh. Grp. C. 90 Grad
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2375246	-

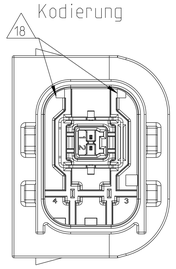
CUSTOMER DRAWING | SCALE 2:1 | SHEET 1 OF 5 | REV A

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

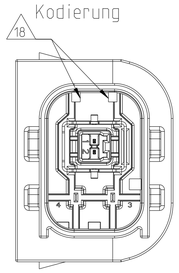
2375246-X
HD MATEnet 1+2 Header 90° Assy C-Regular

CODING "A"
Kodierung



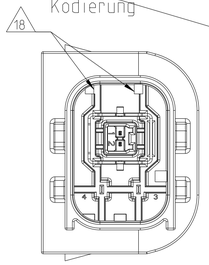
PN: 2375246-1

CODING "B"
Kodierung



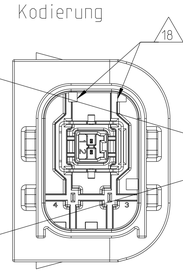
PN: 2375246-2

CODING "C"
Kodierung



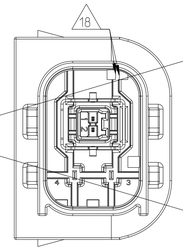
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CODING "D"
Kodierung



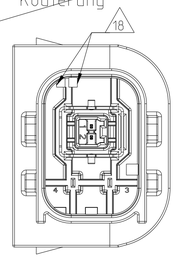
PN: 2375246-4

CODING "E"
Kodierung



PN: 2375246-5

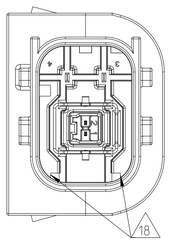
CODING "F"
Kodierung



PN: 2375246-6

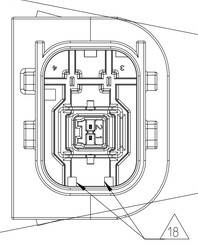
1-2375246-X
HD MATEnet 1+2 Header 90° Assy C-Reverse

CODING "A"
Kodierung



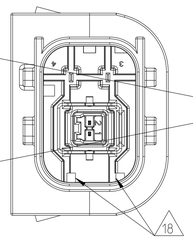
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CODING "B"
Kodierung



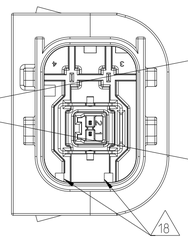
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CODING "C"
Kodierung



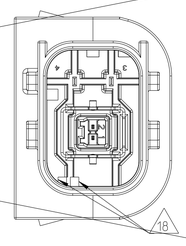
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CODING "D"
Kodierung



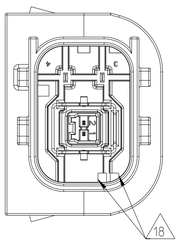
PN: 1-2375246-4

CODING "E"
Kodierung



PN: 1-2375246-5

CODING "F"
Kodierung

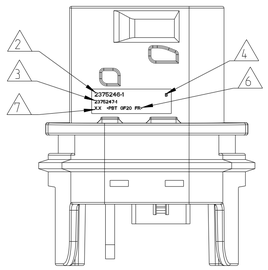


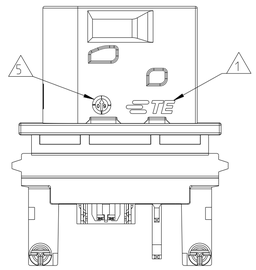
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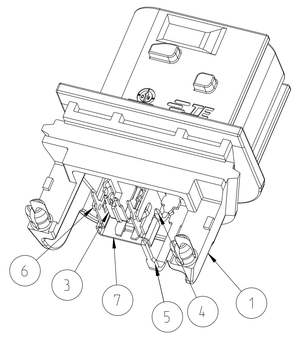
THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN 09FEB2021 SUKSHITHA H P	TE Connectivity	
DIMENSIONS: mm	CHK 10FEB2021 VISHNU PATAGAR	NAME HD MATEnet 1+2pos HDR ASSY GRP C, 90DEG HD MATEnet 1+2 pol. HDR Gen. Grp. C, 90 Grad	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±, 1 PLC ±, 2 PLC ±, 3 PLC ±, 4 PLC ±, ANGLES ±	APVD 11FEB2021 J.BARTH	PRODUCT SPEC 108-94818	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-2375246 / RESTRICTED TO -
MATERIAL - -	FINISH - -	APPLICATION SPEC 114-94694	WEIGHT 14.06 g
CUSTOMER DRAWING	SCALE 2:1	SHEET 2 OF 5	REV A

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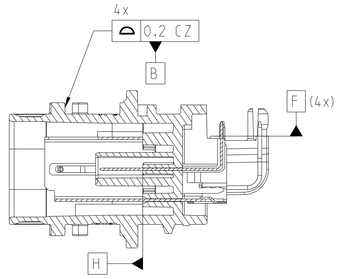
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	NEW DRAWING	09FEB2021	HPS	JB



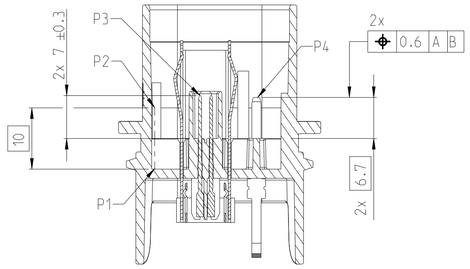


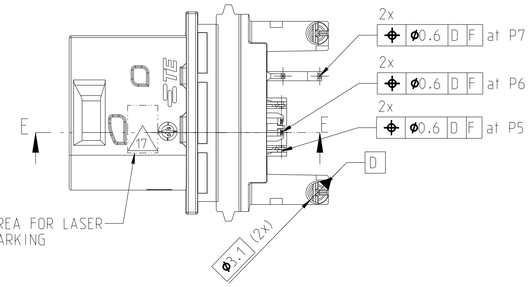


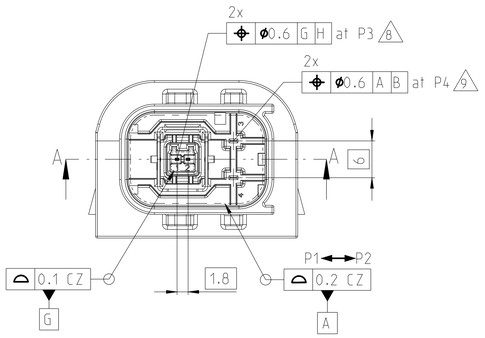
Section E-E

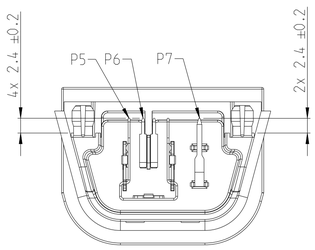


Section A-A









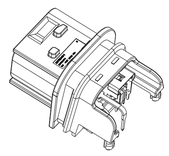
NOTES:
Bemerkungen:

1. TE CONNECTIVITY (TE) LOGO
   TE Connectivity (TE) Logo
2. TE ASSEMBLY-NUMBER
   TE Baugruppennummer
3. TE SINGLE PART NUMBER
   TE Einzelteilnummer
4. LETTER INSERT FOR THE TOOL REVISION.
   Schrifteinsatz für Werkzeugänderungsindex.
5. PRODUCTION DATE WITH DATE-CLOCK
   Produktionsdatum mit Datumsuhr
6. MATERIAL MARKING ACCORDING TO VDA 260
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7. MOLD CAVITY MARKING
   Nestmarkierung
8. PLATING SPECIFICATION 0.5 TAB:
   CONTACT AREA: MIN. 4MM FROM CONTACT TIP >3 µm ELECTROPLATED SILVER OVER NICKEL
   SOLDER TAIL AREA: MIN. 3.5MM FROM SOLDER TAIL TIP COVERED WITH 3-8 µm TIN OVER NICKEL UNDERPLATING: ELECTROPLATED NICKEL
   Beschichtungsspezifikation 0.5 Tab:
   Kontaktbereich: min. 4mm von der Kontaktspitze >3 µm galvanisch Silver über Nickel
   Lötbereich: min. 3.5mm von der Lötspitze 3-8 µm verzinnt über Nickel Grundbeschichtung: galvanisch Nickel
9. PLATING SPECIFICATION 1.5 TAB:
   CONTACT AREA: MIN. 6MM FROM CONTACT TIP >3 µm ELECTROPLATED SILVER OVER NICKEL
   SOLDER TAIL AREA: MIN. 4MM FROM SOLDER TAIL TIP COVERED WITH 3-10 µm TIN OVER NICKEL UNDERPLATING: ELECTROPLATED NICKEL
   Beschichtungsspezifikation 1.5 Tab:
   Kontaktbereich: min. 6mm von der Kontaktspitze >3 µm galvanisch Silber über Nickel
   Lötbereich: min. 4mm von der Lötspitze 3-10 µm verzinnt über Nickel Grundbeschichtung: galvanisch Nickel
10. TIP OF SOLDER TAIL CAN BE INSERTED INTO RECOMMENDED PCB (t=1.2 OR t=1.6)
    THE DESIGN IS OPTIMIZED FOR A PCB WITH t=1.6±0.16mm ONLY.
    Die Lötspitze kann in die empfohlenden PCBs eingeführt werden (t=1.2 oder t=1.6)
    Das Design is auf ein PCB mit t=1.6±0.16mm optimiert.
11. PACKED IN TRAY ACCORDING PACKAGING SPEC. V2375246
    Verpackt im Tray entsprechend Verpackungs-Spezifikation V2375246
12. TO BE MATED WITH HDSCnet CONNECTOR 2354261-1
    Zu verwenden mit HDSCnet Stecker 2354261-1
13. 100% ELECTRIC. CONTINUITY (LV TEST).
    SHORT CIRCUIT (HV TEST) AND PRESENCE TESTING
    100% elektrische-, Durchgangs-(LV Test). Kurzschluss-(HV Test)
    und Anwesenheitspruefung
14. MIN. RETENTION FORCE:
    min. Ausdrueckkraft:

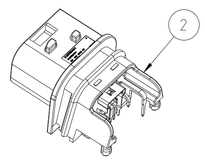
    0.5 TAB: 15N 25MM/MIN
    1.5 TAB: 20N 25MM/MIN
15. THE HEADER WILL BE SOLDERD BY LEAD FREE WAVE SOLDER PROCESS
    Die Messerleiste wird mit einem bleifreien Wellen-Lötprozess verlötet.
16. USE GLOVES FOR MANUAL HANDLING
    Handschuhe bei manueller Handhabung verwenden
17. PROUCTION DATE OF ASSEMBLY: DDMMMYYYY 2 DIGIT DAY 3 LETTER MONTH 4 DIGIT YEAR E.G. 17NOV2016
    Produktionsdatum der Baugruppe: TTMMMJJJJ 2 Zahlen Tag 3 Buchstaben Monat 4 Zahlen Jahr Bsp. 17NOV2016
18. DIFFERENT CODINGS
    Unterschiedliche Kodierun

FOR PROTOTYPE B-SAMPLE ONLY
NUR FUER B-MUSTER

Regular Version
9-2375246-X
Scale 1:1



Reverse Version
8-2375246-X
Scale 1:1



ITEM NO.	REV	MATERIAL	DESCRIPTION
1	A	CuSn 4	Solder-pin adapter
2	A	CrN1	HD MATEnet Shield
3	A	CuSn	1.5x0.64 AMP MCP TAB Long
4	A	CuSn	1.5x0.64 AMP MCP TAB Short
5	A	CuNiSi	MATENET TAB
6	A	PBT GF20 V-0	HD MATEnet 1+2 90° Header HSG. C Reverse
B		PBT GF20 V-0	HD MATEnet 1+2 90° Header HSG. C

TE ASSY NO.	CODING	REV	Qty. reqd per Assy	COLOUR	ITEM NO.
~~8-2375246-6~~	F	A	1 1 1 1 2 1 0	RED rot	~~12~~
~~8-2375246-5~~	E	A	1 1 1 1 2 1 0	WHITE weiss	~~11~~
~~8-2375246-4~~	D	A	1 1 1 1 2 1 0	BLUE blau	~~10~~
~~8-2375246-3~~	C	A	1 1 1 1 2 1 0	GREEN gruen	~~9~~
~~8-2375246-2~~	B	A	1 1 1 1 2 1 0	GREY grau	~~8~~
~~8-2375246-1~~	A	A	1 1 1 1 2 1 0	BLACK schwarz	~~7~~
~~9-2375246-6~~	F	A	1 1 1 1 2 0 1	RED rot	~~6~~
~~9-2375246-5~~	E	A	1 1 1 1 2 0 1	WHITE weiss	~~5~~
~~9-2375246-4~~	D	A	1 1 1 1 2 0 1	BLUE blau	~~4~~
~~9-2375246-3~~	C	A	1 1 1 1 2 0 1	GREEN gruen	~~3~~
9-2375246-2	B	A	1 1 1 1 2 0 1	GREY grau	2
9-2375246-1	A	A	1 1 1 1 2 0 1	BLACK schwarz	1

DIMENSION AND TOLERANCES ACCORDING TO:
Bemaßungen und Toleranzen gemäß

DIN ISO 20457
DIN EN ISO 8015 (Ⓐ) - DIN EN ISO 291
DIN EN ISO 14405-1/-2/-3

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ±
4 PLC ±
ANGLES ±

MATERIAL -
FINISH -

DWN	SUKSHITHA H P	09FEB2021
CHK	VISHNU PATAGAR	10FEB2021
APVD	J.BARTH	11FEB2021
PRODUCT SPEC	108-94818	
APPLICATION SPEC	114-94694	
WEIGHT	14.06 g	

TE Connectivity

NAME: HD MATEnet 1+2pos HDR ASSY GRP C, 90DEG
HD MATEnet 1+2 pol. HDR Geh. Grp. C, 90 Grad
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A	00779	C-2375246	-

CUSTOMER DRAWING | SCALE 2:1 | SHEET 3 OF 5 | REV A

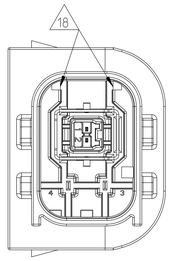
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REVISIONS

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

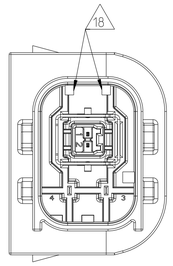
9-2375246-X
HD MATEnet 1+2 Header 90° Assy C-Regular

CODING "A"
Kodierung



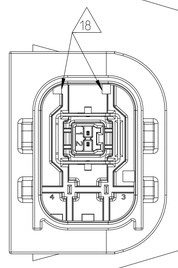
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CODING "B"
Kodierung



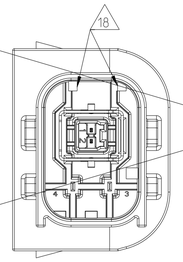
PN: 9-2375246-2

CODING "C"
Kodierung



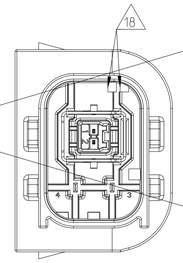
PN: 9-2375246-3

CODING "D"
Kodierung



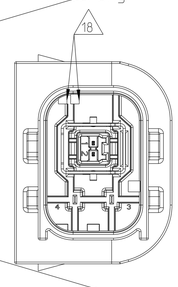
PN: 9-2375246-4

CODING "E"
Kodierung



PN: 9-2375246-4

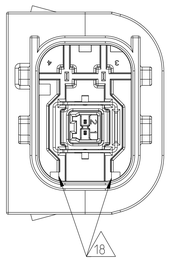
CODING "F"
Kodierung



PN: 9-2375246-6

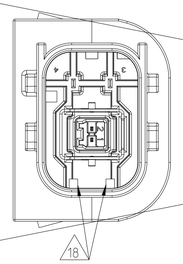
8-2375246-X
HD MATEnet 1+2 Header 90° Assy C-Reverse

CODING "A"
Kodierung



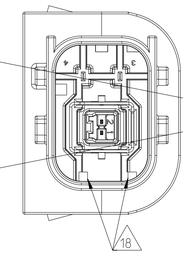
PN: 8-2375246-1

CODING "B"
Kodierung



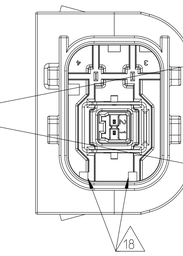
PN: 8-2375246-2

CODING "C"
Kodierung



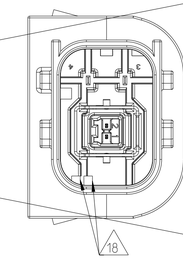
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CODING "D"
Kodierung



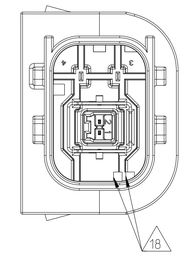
PN: 8-2375246-4

CODING "E"
Kodierung



PN: 8-2375246-5

CODING "F"
Kodierung



PN: 8-2375246-6

FOR PROTOTYPE B-SAMPLE ONLY
NUR FUER B-MUSTER

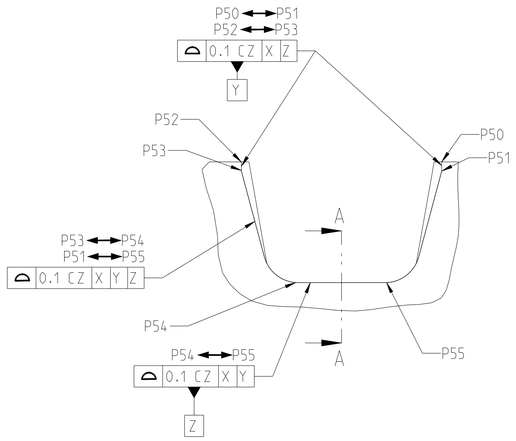
THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN 09FEB2021 SUKSHITHA H P	TE Connectivity	
DIMENSIONS: mm	CHK 10FEB2021 VISHNU PATAGAR	NAME HD MATEnet 1+2pos HDR ASSY GRP C, 90DEG HD MATEnet 1+2 pol. HDR Gen. Grp. C, 90 Grad	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±, 1 PLC ±, 2 PLC ±, 3 PLC ±, 4 PLC ±, ANGLES ±	APVD 11FEB2021 J.BARTH	PRODUCT SPEC 108-94818	APPLICATION SPEC 114-94694
MATERIAL - -	FINISH - -	WEIGHT 14.06 g	
SIZE A1	CAGE CODE 00779	DRAWING NO C-2375246	RESTRICTED TO -
CUSTOMER DRAWING	SCALE 2:1	SHEET 4 OF 5	REV A

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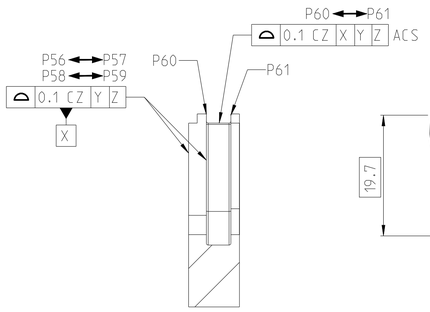
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

ECU LAYOUT FOR ALL GROUP C 90DEG HEADER
Steuergeraete Layout fuer alle Header gruppe C 90 Grad

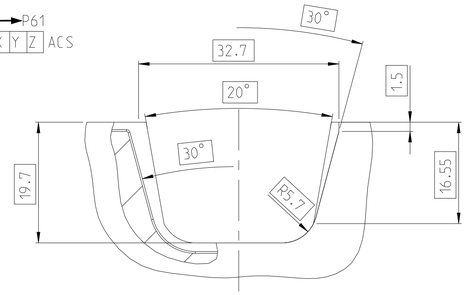
RECOMMENDED ECU LAYOUT / CUSTOMER IS RESPONSIBLE FOR LAYOUT
Empfohlenes Steuergeraete Layout / Kunde ist verantworltich fuer das Layout



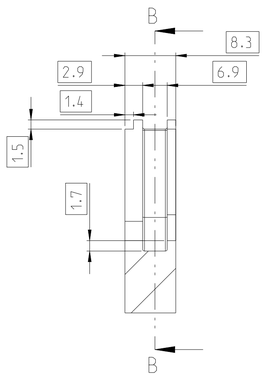
SECTION A-A

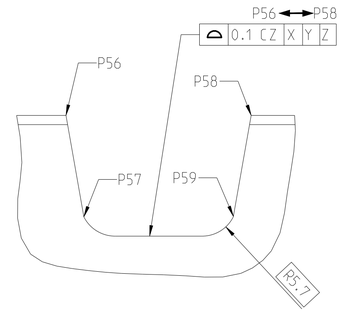


SECTION B-B

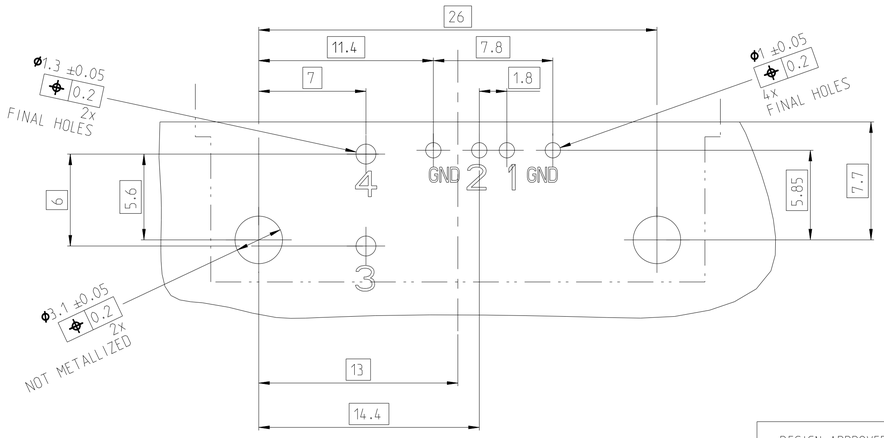


SECTION A-A





PCB LAYOUT FOR REGULAR HEADER (0-) / (9-)
Platinen Layout fuer normale Ausfuehrung des Header (0-) / (9-)
RECOMMENDED PCB LAYOUT / CUSTOMER IS RESPONSIBLE FOR LAYOUT
Empfohlenes Platinen Layout / Kunde ist verantworltich fuer das Layout

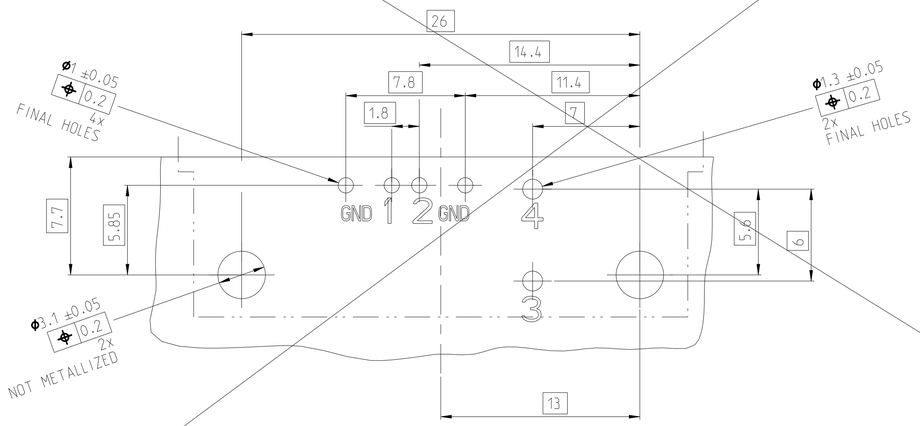


DESIGN APPROVED THIS PRINT IS

PRELIMINARY

TO FIRST PIECE APPROVAL
CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

PCB LAYOUT FOR REVERSE HEADER (1-) / (8-)
Platinen Layout fuer gedrehte Ausfuehrung des Header (1-) / (8-)
RECOMMENDED PCB LAYOUT / CUSTOMER IS RESPONSIBLE FOR LAYOUT
Empfohlenes Platinen Layout / Kunde ist verantworltich fuer das Layout



THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN 09FEB2021 SUKSHITHA H P	TE Connectivity	
DIMENSIONS: mm	CHK 10FEB2021 VISHNU PATAGAR	NAME	HD MATEnet 1×2pos HDR ASSY GRP C, 90DEG HD MATEnet 1×2 pol. HDR Geh. Grp. C, 90 Grad -
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±, 1 PLC ±, 2 PLC ±, 3 PLC ±, 4 PLC ±, ANGLES ±	APVD 11FEB2021 J.BARTH	PRODUCT SPEC 108-94818	
		APPLICATION SPEC 114-94694	
MATERIAL - -	FINISH - -	WEIGHT 14.06 g	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-2375246 · RESTRICTED TO =
CUSTOMER DRAWING		SCALE 5:1 · SHEET 5 OF 5 · REV A	