



# Relationships

Relationship	Product
Colorway Product	B252 Boys RL White/Dyed & Dunk Stripe Exp WB OE Brief (Colorways BW)
Pattern Product	T0409 Boys--Size:XS-2X Rib - Body 1x1 Brief (Innerwear Boys Patterns)
Label Product	LP 10056 Boys' Underwear Hanes Comfort Flex Tagless Btm (Mkt-Boys' UW Garment Labels)
Selling Product	SP- 21813 - B252P6 - P 6 - White Alpha Brief (BW Active Year)

Report	Name
Construction	001 : KB001A-Exposed WB brief w/ front panel, bound fly/legs
Measurements	001 : T0409A FGM
Block Weights Report	Spread, Trim Straight and Trim Bias

# Colorways

## Colorways by Group

Show Swatches

Colorway Group	Colorway Name
001 : Basic Solids	( EUU ) CW 16181 Royalty Blue B252
001 : Basic Solids	( 1CU ) CW 17076 Kiwi Ice B252
001 : Basic Solids	( WEU ) CW 16191 White B252 w/Grey Elastic
001 : Basic Solids	( VHU ) CW 17793 Optical Blue B252
001 : Basic Solids	( VTU ) CW 17853 Best Red B252
001 : Basic Solids	( 06U ) CW 15044 B252 Black
001 : Basic Solids	( WHU ) CW 15015 B252 White
002 : Basic Heathers	( LCU ) CW 15042 B252 Grey Heather
002 : Basic Heathers	( LBU ) CW 15043 B252 Mid Charcoal Heather
002 : Basic Heathers	( LEU ) CW 15046 B252 Stonewash Blue Heather
002 : Basic Heathers	( LFU ) CW 15045 B252 Mid Blue Heather
004 : Basic S14 Dunk Stripes	( 11U ) CW 15050 B252 B-DS-SP14-2
004 : Basic S14 Dunk Stripes	( WYU ) CW 15054 B252 B-DS-SP14-10
004 : Basic S14 Dunk Stripes	( 13U ) CW 15053 B252 B-DS-SP14-4
004 : Basic S14 Dunk Stripes	( 10U ) CW 15051 B252 B-DS-SP14-1
004 : Basic S14 Dunk Stripes	( 12U ) CW 15052 B252 B-DS-SP14-3
005 : Basic S15 Dunk Stripes	( 3LU ) CW 17072 E-DS-SP15-03 B252
005 : Basic S15 Dunk Stripes	( 3JU ) CW 17074 E-DS-SP15-01 B252
005 : Basic S15 Dunk Stripes	( 3KU ) CW 17075 E-DS-SP15-02 B252
005 : Basic S15 Dunk Stripes	( 3MU ) CW 17073 E-DS-SP15-04 B252

Label BOM

Search:

Country	Garment Use	Material	Application	Label Size	Fiber Code-Content	Ink Colors	Usage Per Dozen	Usage UOM	Std Waste Factor	Usage Price
Made in Dominican Republic (DO)	Waist	LSU3196D	Pad Print	2T-3T-XL/TG/XG	18 - 75%COTTON/25%POLYESTER	1	12	EA		
Made in Dominican Republic (DO)	Waist	LSU3194D	Pad Print	2T-3T-XL/TG/XG	05 - 100%COTTON	1	12	EA		
Made in Dominican Republic (DO)	Waist	LSU3195D	Pad Print	2T-3T-XL/TG/XG	05 - 100%COTTON	2	12	EA		
Made in El Salvador (SV)	Waist	LSU2984E	Pad Print	2T-3T-XL/TG/XG	18 - 75%COTTON/25%POLYESTER	1	12	EA		
Made in El Salvador (SV)	Waist	LSU3441E	Pad Print	2T-3T-XL/TG/XG	05 - 100%COTTON	2	12	EA		
Made in El Salvador (SV)	Waist	LSU2986E	Pad Print	2T-3T-XL/TG/XG	SD - 67%COTTON/33%POLY	1	12	EA		
Made in El Salvador (SV)	Waist	LSU2985E	Pad Print	2T-3T-XL/TG/XG	LE - 63%COTTON/37%POLYESTER	1	12	EA		
Made in El Salvador (SV)	Waist	LSU3440E	Pad Print	2T-3T-XL/TG/XG	05 - 100%COTTON	1	12	EA		
Made in Vietnam (VN)	Waist	LSU3602V	Pad Print	2T-37-XL/TG/XG	NJ - 58%COTTON/42%POLYESTER	1	12	EA		
Made in Vietnam (VN)	Waist	LSU3604V	Pad Print	2T-XL	CP - 62%COTTON/38%POLYESTER	1	12	EA		
Made in Vietnam (VN)	Waist	LSU3600V	Pad Print	2T-37-XL/TG/XG	18 - 75%COTTON/25%POLYESTER	1	12	EA		
Made in Vietnam (VN)	Waist	LSU3599V	Pad Print	2T-3T-XL/TG/XG	09 - 95%COTTON/5%POLYESTER	2	12	EA		
Made in Vietnam (VN)	Waist	LSU3576V	Pad Print	2T-XL	CP - 62%COTTON/38%POLYESTER	1	12	EA		
Made in Vietnam (VN)	Waist	LSU3598V	Pad Print	2T-3T-XL/TG/XG	09 - 95%COTTON/5%POLYESTER	1	12	EA		
Made in Vietnam (VN)	Waist	LSU3601V	Pad Print	2T-37-XL/TG/XG	LE - 63%COTTON/37%POLYESTER	1	12	EA		
Made in Vietnam (VN)	Waist	LSU3596V	Pad Print	2T-3T-XL/TG/XG	05 - 100%COTTON	1	12	EA		
Made in Vietnam (VN)	Waist	LSU3597V	Pad Print	2T-3T-XL/TG/XG	05 - 100%COTTON	2	12	EA		
Made in Vietnam (VN)	Waist	LSU3603V	Pad Print	2T-37-XL/TG/XG	SD - 67%COTTON/33%POLY	1	12	EA		
Printed in Plant	Waist	LSU3607	Pad Print	ALL SIZES	Printed in Plant	1	12	EA		
Printed in Plant	Waist	LSU3607	Pad Print	ALL SIZES	Printed in Plant	1	12	EA		
Printed in Plant	Waist	LSU3607	Pad Print	ALL SIZES	Printed in Plant	1	12	EA		
Printed in Plant	Waist	LSU3607	Pad Print	ALL SIZES	Printed in Plant	1	12	EA		

## 001 : Basic Solids

Show / hide columns

002 : Basic Heathers

Search:

Show / hide columns

Part Name	Garment Use	Material	Fiber Content	( LCU ) CW 15042 B252 Grey Heather	( LBU ) CW 15043 B252 Mid Charcoal Heather	( LEU ) CW 15046 B252 Stonewash Blue Heather	( LFU ) CW 15045 B252 Mid Blue Heather
LEG RUBBER	Leg	AK0649		MC 11983 - 002 White-AK0649	MC 11983 - 002 White-AK0649	MC 11983 - 002 White-AK0649	MC 11983 - 002 White-AK0649
MFG. LABEL TYPE			18 - 75% COTTON/25% POLYESTER				
FABRIC	Body	P-RB2101-S11		MC 11986 - Grey Heather-DYEGG7	MC 11982 - 1000315 Black 50r-DYE9NV	MC 11988 - HC28 Stonewash Blue Heather-DYEST8	MC 11989 - HC353 Mid Blue Heather-DYE5HC
FABRIC	Leg	P-RB2101-S11		MC 11986 - Grey Heather-DYEGG7	MC 11985 - Mid Charcoal Heather-DYEM2H	MC 11988 - HC28 Stonewash Blue Heather-DYEST8	MC 11989 - HC353 Mid Blue Heather-DYE5HC
FABRIC		P-RB2101-S11		MC 11986 - Grey Heather-DYEGG7	MC 11985 - Mid Charcoal Heather-DYEM2H	MC 11988 - HC28 Stonewash Blue Heather-DYEST8	MC 11989 - HC353 Mid Blue Heather-DYE5HC
ELASTIC		AK0552		MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553

004 : Basic S14 Dunk Stripes

Search:

Show / hide columns

Part Name	Garment Use	Material	Fiber Content	( 11U ) CW 15050 B252 B-DS-SP14-2	( WYU ) CW 15054 B252 B-DS-SP14-10	( 13U ) CW 15053 B252 B-DS-SP14-4	( 10U ) CW 15051 B252 B-DS-SP14-1	( 12U ) CW 15052 B252 B-DS-SP14-3
LEG RUBBER	Leg	AK0649		MC 11983 - 002 White-AK0649	MC 11983 - 002 White-AK0649	MC 11983 - 002 White-AK0649	MC 11983 - 002 White-AK0649	MC 11983 - 002 White-AK0649
MFG. LABEL TYPE			CP - 62%COTTON/38%POLYESTER					
THREAD	Leg	AY7000		MC 11986 - Grey Heather-AY7075	MC 12159 - PANTONE 19-6050 TCX Eden-AY1291	MC 11989 - HC353 Mid Blue Heather-AY7084	MC 11985 - Mid Charcoal Heather-AY0117	MC 11988 - HC28 Stonewash Blue Heather-AY7154
THREAD	Fly	AY7000		MC 11986 - Grey Heather-AY7075	MC 12159 - PANTONE 19-6050 TCX Eden-AY1291	MC 11989 - HC353 Mid Blue Heather-AY7084	MC 11985 - Mid Charcoal Heather-AY0117	MC 11988 - HC28 Stonewash Blue Heather-AY7154
FABRIC	Body	P-RB2243-S11		MC 13739 - B-DS-SP14-2-DYE9RY	MC 14436 - B-DS-SP14-10-DYEGJX	MC 13755 - B-DS-SP14-4-DYEBUM	MC 13738 - B-DS-SP14-1-DYE9TY	MC 13753 - B-DS-SP14-3-DYEBUP
FABRIC	Trim	P-RB2243-S11		MC 13739 - B-DS-SP14-2-DYE9RY	MC 14436 - B-DS-SP14-10-DYEGJX	MC 13755 - B-DS-SP14-4-DYEBUM	MC 13738 - B-DS-SP14-1-DYE9TY	MC 13753 - B-DS-SP14-3-DYEBUP
FABRIC	Leg	P-RB2243-S11		MC 13739 - B-DS-SP14-2-DYE9RY	MC 14436 - B-DS-SP14-10-DYEGJX	MC 13755 - B-DS-SP14-4-DYEBUM	MC 13738 - B-DS-SP14-1-DYE9YT	MC 13753 - B-DS-SP14-3-DYEBUP
ELASTIC	Waist	AK0553		MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553

005 : Basic S15 Dunk Stripes

Search:

Show / hide columns

Part Name	Garment Use	Material	Fiber Content	( 3LU ) CW 17072 E-DS-SP15-03 B252	( 3JU ) CW 17074 E-DS-SP15-01 B252	( 3KU ) CW 17075 E-DS-SP15-02 B252	( 3MU ) CW 17073 E-DS-SP15-04 B252
MFG. LABEL TYPE			NJ - 58%COTTON/42%POLYESTER				
ELASTIC		AK0552		MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553	MC 11986 - Grey Heather-AK0553



Show Swatches

Measurements

Search:

POM Number	Measurement Name	Placement Amount	Placement Reference	Plus Tolerance	Minus Tolerance	HTM Instructions	Comments	XS	S	M	L	XL	2X
200a	Waist - at top (half)			0.75	0.75		kids (c1) tolerance	9.25	10.25	11.0	12.0	13.0	13.5
200x	Min. Waist - Extended (half)			99.0	0.0			13.5	14.75	16.0	17.5	19.0	19.75
300	Waistband Width / Height			0.25	0.25		(c1) tolerance	1.25	1.25	1.25	1.25	1.25	1.25
210	Rise/Trunk Length - Flat			0.75	0.75		kids (c1) tolerance	9.0	9.5	10.5	11.375	12.125	12.75
210a	Front Rise - Top of Waistband			0.75	0.75		kids (c1) tolerance	10.625	11.125	12.125	13.0	13.75	14.375
211a	Back Rise - Top of Waistband			0.75	0.75		kids (c1) tolerance	7.375	7.875	8.875	9.75	10.5	11.125
215	Fly Length			0.25	0.25	.		2.75	3.0	3.25	4.0	4.75	5.25
215b	Fly Position			0.25	0.25			1.75	1.875	2.0	2.125	2.125	2.125
243	Panel Width - 4" Down (front or back)	4		0.5	0.5		(c1) tolerance	3.5	3.625	3.75	4.0	4.25	4.375
245b	Crotch Width - At Seam (front or back)			0.25	0.25			3.875	4.0	4.125	4.375	4.625	4.75
202e	Seat - At Top of Leg (half)			0.75	0.75		kids (c1) tolerance	8.625	9.625	10.625	11.75	12.875	13.375
206a	Leg Opening - At Edge (half)		Inseam 0-2	0.5	0.5		short-kids (c1) tolerance	6.125	6.75	7.375	8.375	9.25	9.875
206x	Min. Leg Opening - Extended (half)		Inseam 0-2	99.0	0.0			7.875	8.75	9.5	10.25	11.0	11.375
209a	Outseam - Top of Waistband		Inseam 0-2	0.5	0.5		short-kids (c1) tolerance	4.375	4.625	5.125	5.375	5.5	5.625
302	Leg Trim / Binding Width / Height			0.125	0.125			0.5625	0.5625	0.5625	0.5625	0.5625	0.5625
302	Fly Trim / Binding Width / Height			0.125	0.125			0.3125	0.3125	0.3125	0.3125	0.3125	0.3125

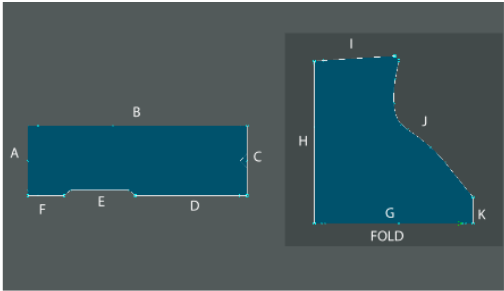
# Constructions

Search:

Sewing Operation	Stitch Type / Description	Gauge Width	SPI	Seam/Trimoff Allowance	Garment Use	Needle Thread	Needle Visibility	Looper Thread	Looper Visibility	Comments
Seam waist elastic with latch-tack.	504 (break open) 3 thread overedge	12gg / 4.8mm	25 min	1/8" trimoff	Waist	T18 Txt Poly	Side B	T18 Txt Poly	Side A/B	
Bind fly.	406 2N bottom coverstitch	8gg / 3.2mm	10	folder 1T-5/16" finish binding	Fly	T18 Txt Poly	Side A	T18 Txt Poly	Side B	
Seam panel with tape.	607 4N flatseam-no topcover	16gg / 6.4mm	10	1/4" trimoff	Tape	T18 Txt Poly	Side A	T18 Txt Poly	Side B	
Bind legs with elastic/rubber.	406 2N bottom coverstitch	8gg / 3.2mm	12	folder 1T-9/16" finish binding	Leg	T24 Txt Poly	Side A	T18 Txt Poly	Side B	
Attach exposed elastic to waist.	407 3N bottom coverstitch	16gg / 6.4mm	12	5/16" overlap; 1/4" trimoff	Waist	T24 Txt Poly	Side A	T18 Txt Poly	Side B	
Flatseam crotch.	607 4N flatseam	16gg / 6.4mm	14	1/4" overlap; 1/4" trimoff	Body	T18 Txt Poly	Side A	T18 Txt Poly	Side B	
Set garment label (heat transfer) centered over band seam.	N/A	N/A	N/A	N/A		N/A		N/A		
APPROVED ALTERNATES:										
Alternate seaming to be used only where 607 flatseam is not available due to capacity (Requires prior approval).										
Attach pieces.	504 3 thread overedge	8gg / 3.2mm	12	3/8"; 1/4" trimoff		T18 Txt Poly	Side B	T18 Txt Poly	Side B	
Topcover seams.	605 3N topcover	16gg / 6.4mm	12	no trimoff		T18 Txt Poly	Side A	T18 Txt Poly	Side B	

Documents

002 : Measurements - T0409A PMEAS



=Seasonal Sizes

Piece Name:	Pcs Per Gmt:
-------------	--------------

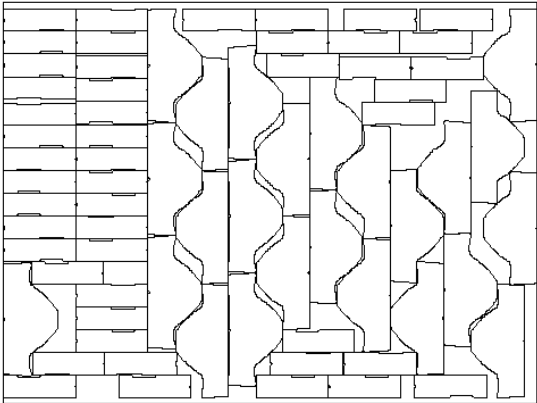
T0409AFT 2

T0409ABK 1

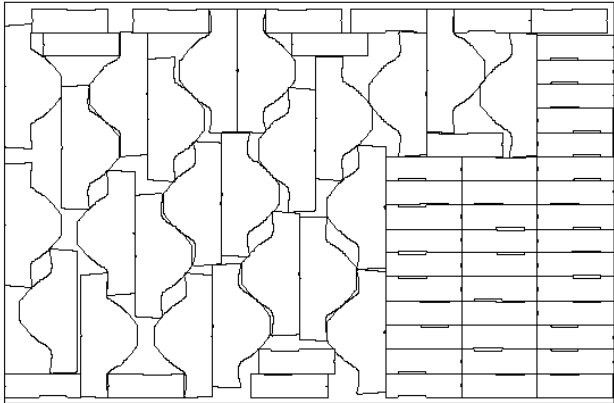
Name	XS	S	M	L	XL	2X
A	3"16	3"20	3"24	4"	4" 8	4"12
B	10"10	10"26	11"26	12"22	13"14	14" 3
C	3"16	3"20	3"24	4"	4" 8	4"12
D	5" 9	5"13	6" 1	6" 1	6" 1	6" 5
E	3"18	3"27	4" 2	4"27	5"18	6" 2
F	1"23	1"27	1"31	2" 3	2" 3	2" 3
G	7" 1	7"17	8"17	9"13	10" 5	10"25
H	6"31	7"29	8"23	9"23	10"21	11" 5
I	3"19	3"27	4"11	4"19	4"23	4"27
J	7" 2	8"	9" 2	10" 8	11"15	12" 6
K	1" 9	1"10	1"13	1"18	1"22	1"24

Note: All measurements are displayed in 32nds. Please refer to FlexPLM User Training Manual-PRODUCT SPECIFICATIONS for conversion chart.

T0409A2L

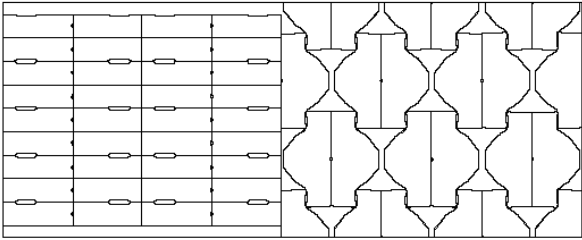


T0409A2XL

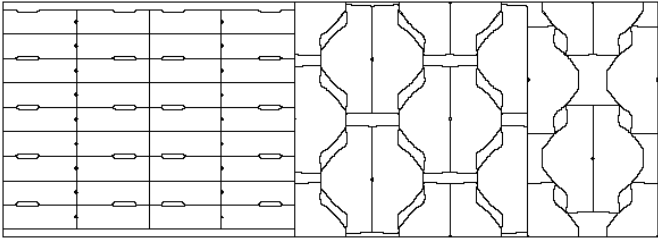


006 : Marker Layout - T0409A-60 FT,BK-35

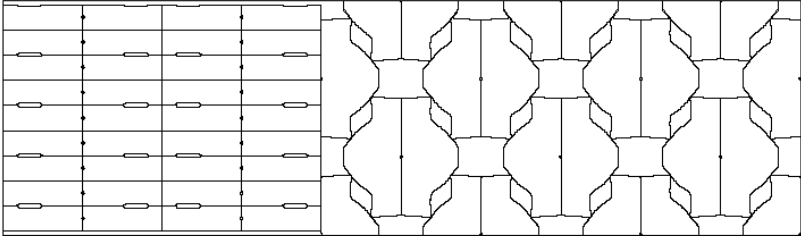
T0409A5XS



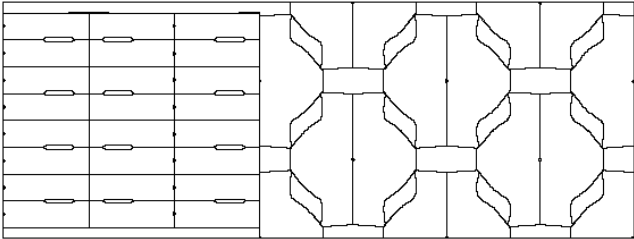
T0409A5S



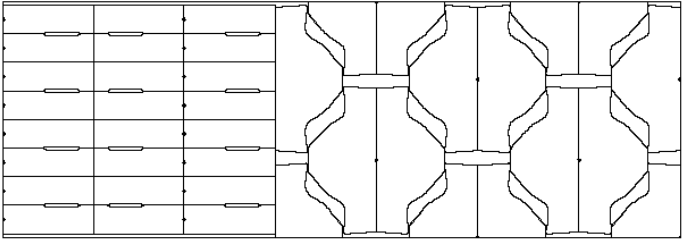
T0409A5M



T0409A5L

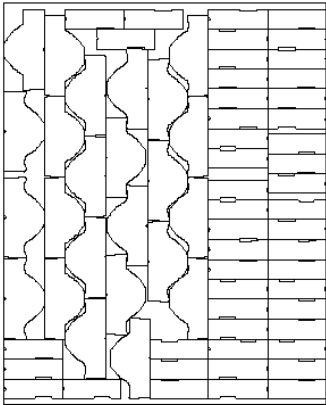


T0409A5XL

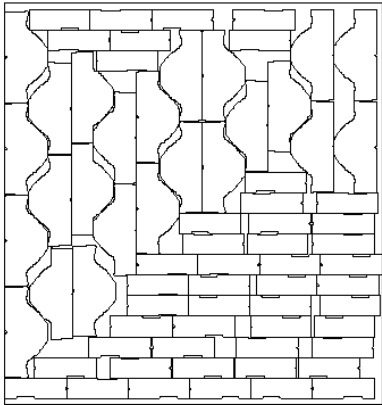


004 : Marker Layout - T0409A-60 FT,BK-70.5

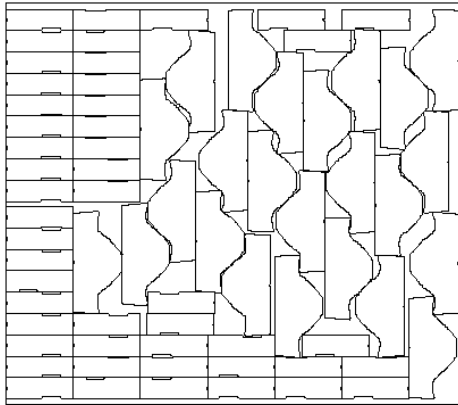
T0409A2XS



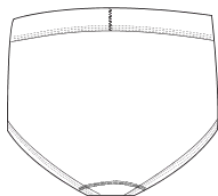
T0409A2S



T0409A2M



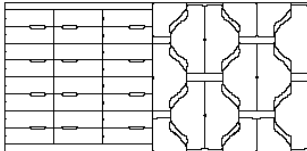
001 : Front/Back Image - Boys Ctn Knit Rib ExpWB



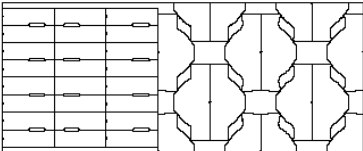


005 : Marker Layout - T0409A-60 FT,BK-31

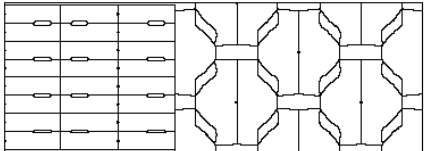
T0409A4XS



T0409A4S

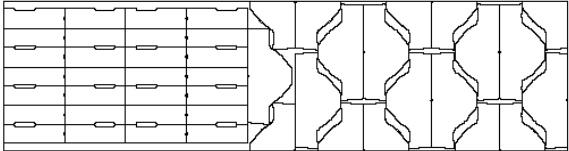


T0409A4M

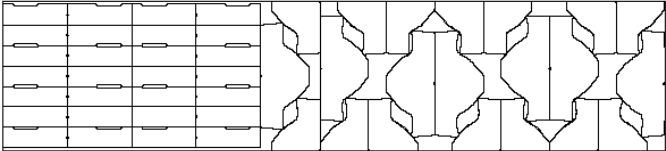


005 : Marker Layout - T0409A-60 FT,BK-31

T0409A4L

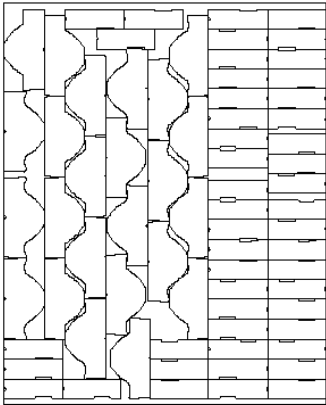


T0409A4XL

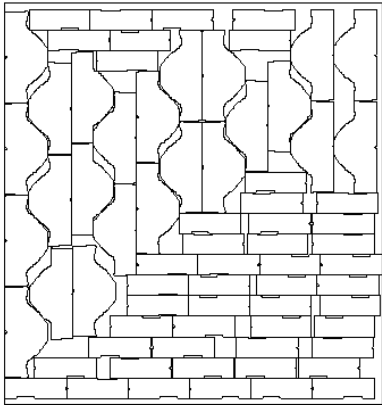


004 : Marker Layout - T0409A-60 FT,BK-70.5

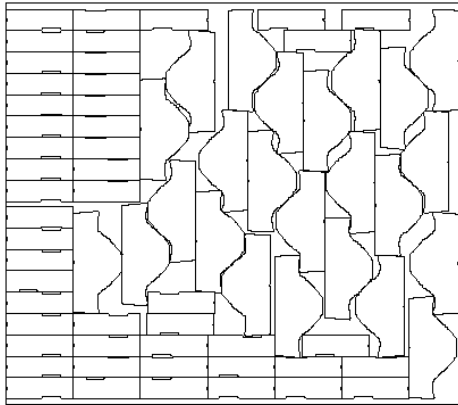
T0409A2XS



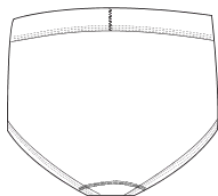
T0409A2S

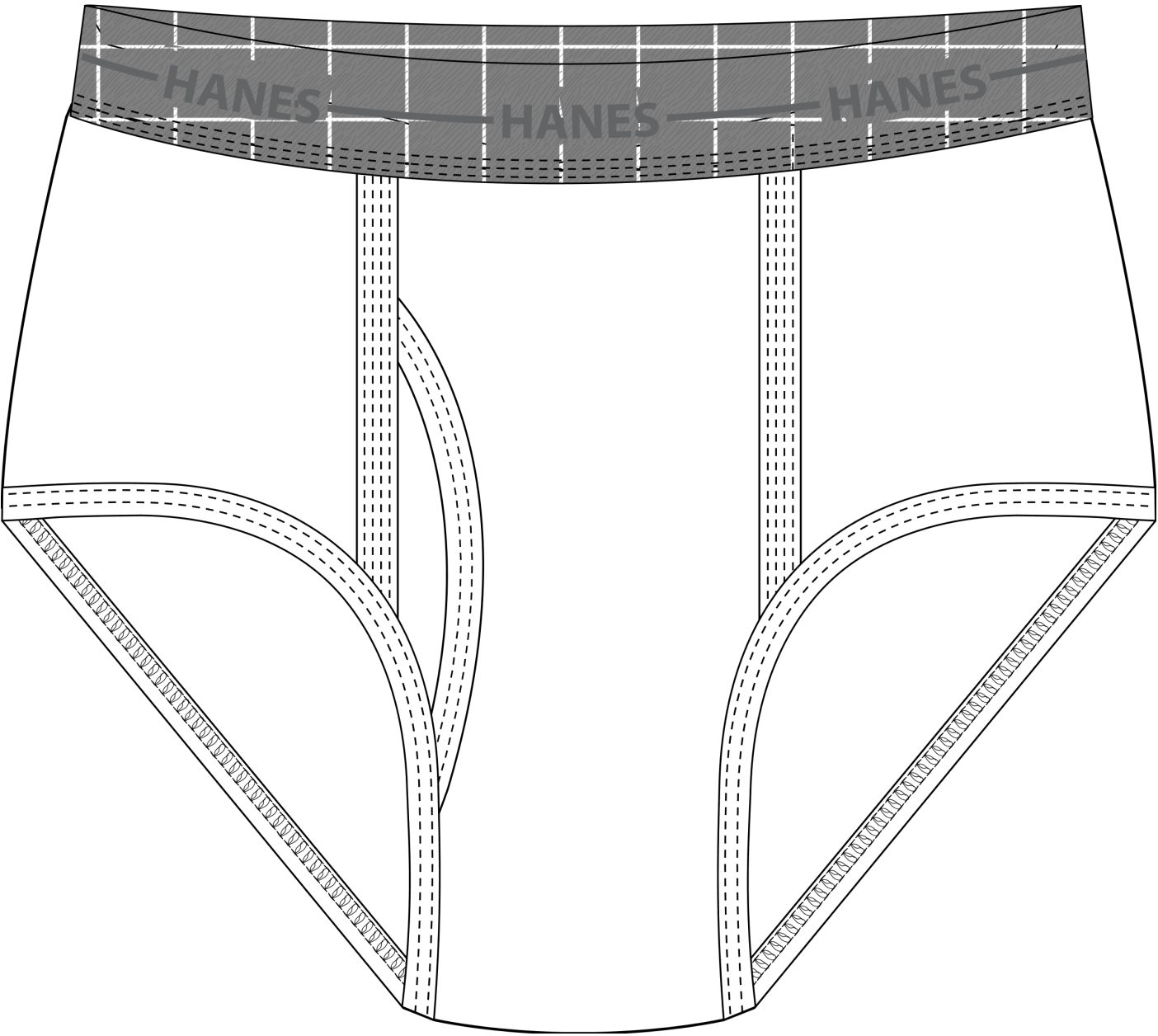


T0409A2M



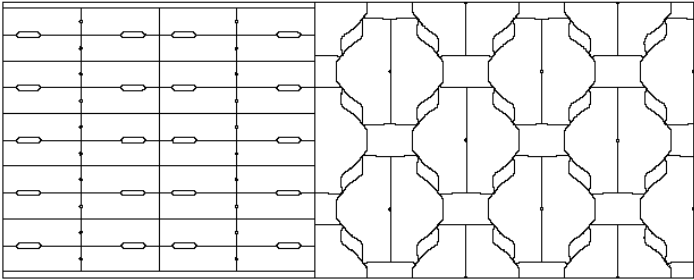
001 : Front/Back Image - Boys Ctn Knit Rib ExpWB



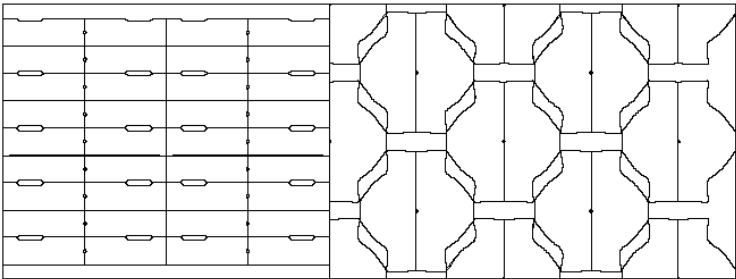


003 : Marker Layout - T0409A-60 FT,BK-36.5

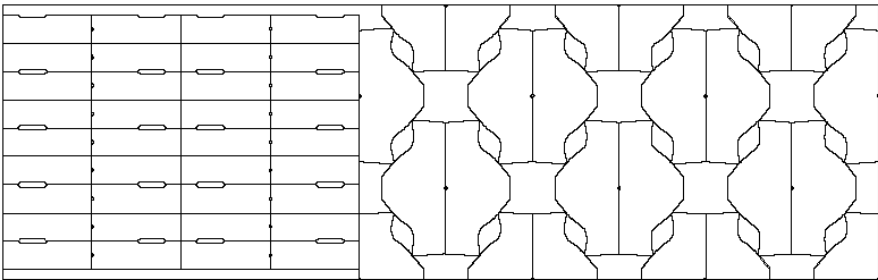
T0409A1XS



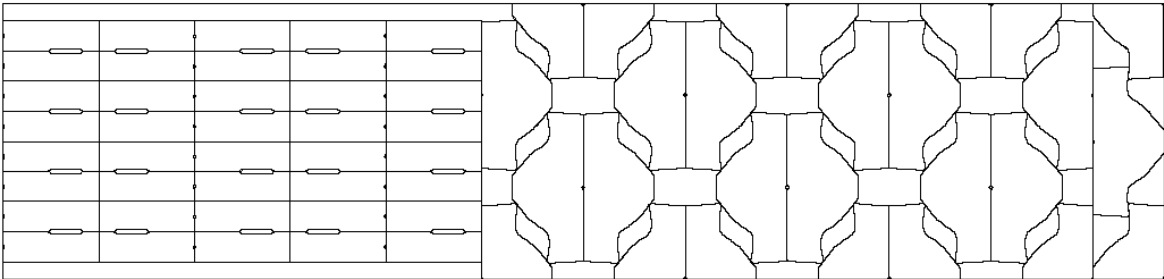
T0409A1S



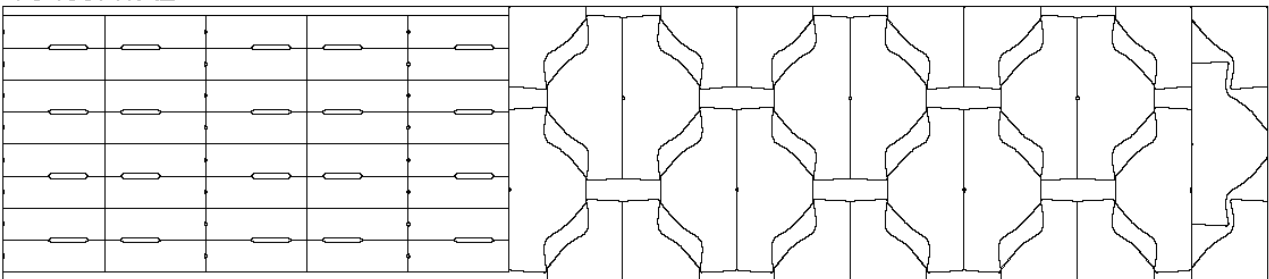
T0409A1M



T0409A1L

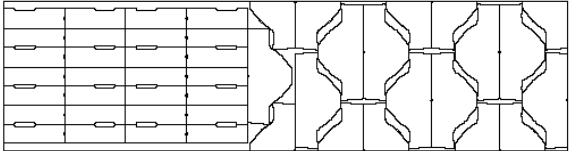


T0409A1XL

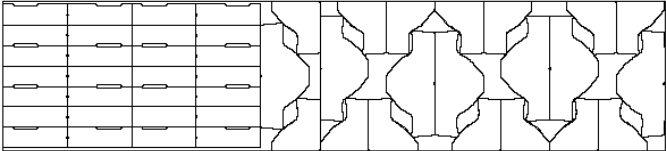


005 : Marker Layout - T0409A-60 FT,BK-31

T0409A4L

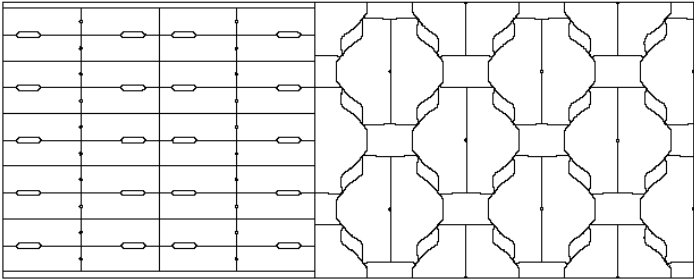


T0409A4XL

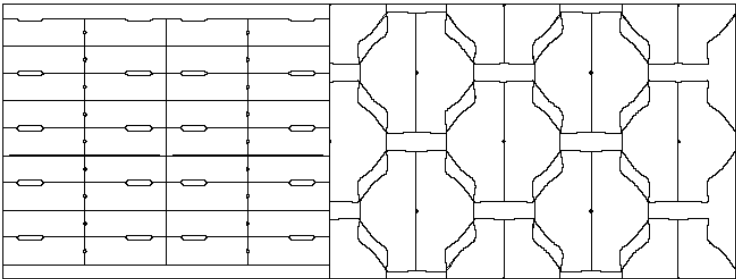


003 : Marker Layout - T0409A-60 FT,BK-36.5

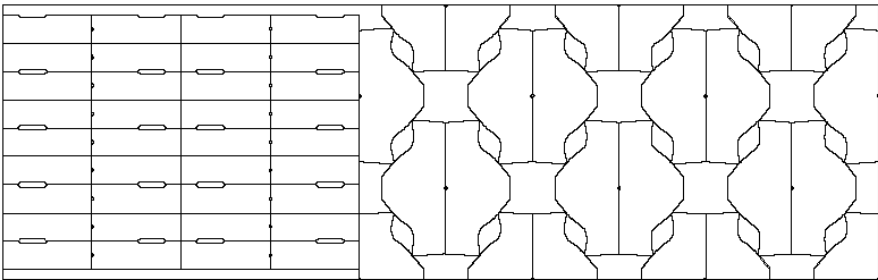
T0409A1XS



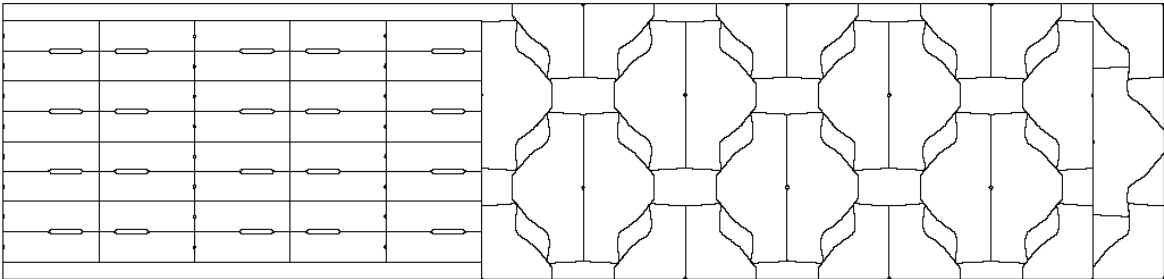
T0409A1S



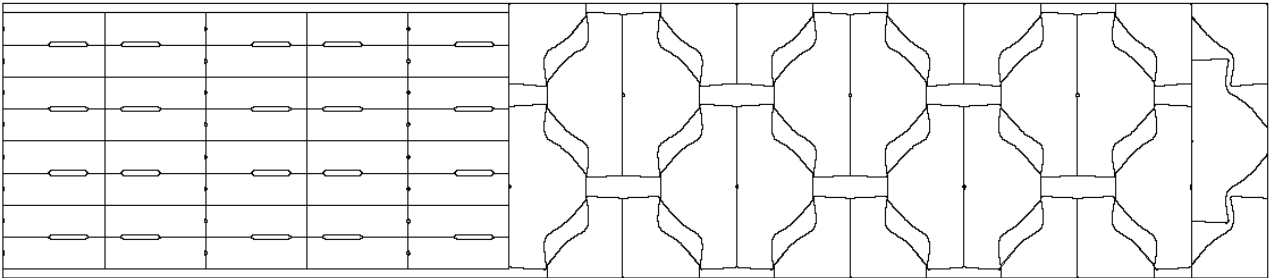
T0409A1M



T0409A1L



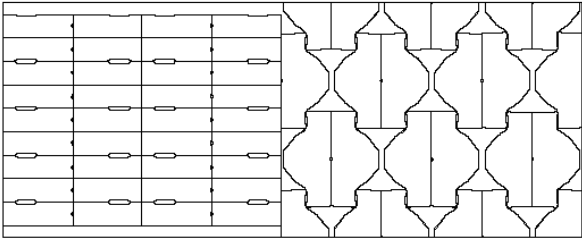
T0409A1XL



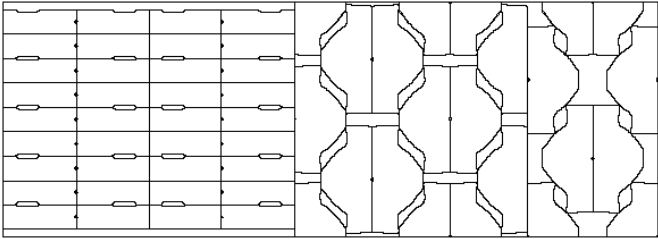


006 : Marker Layout - T0409A-60 FT,BK-35

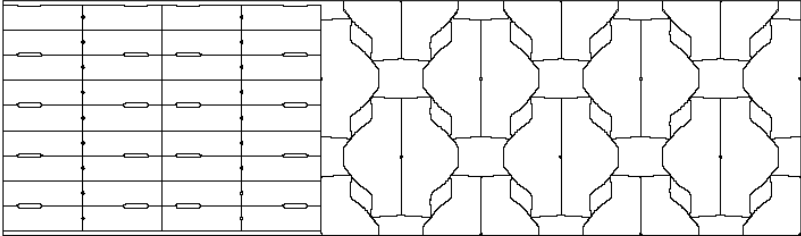
T0409A5XS



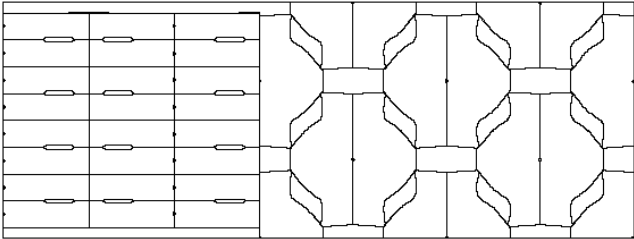
T0409A5S



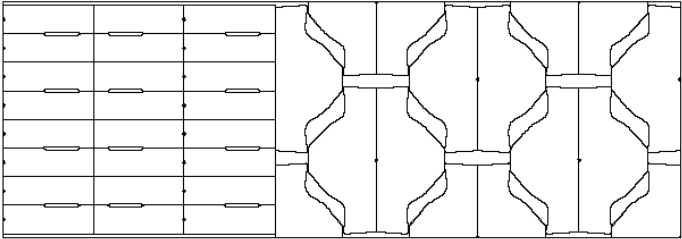
T0409A5M



T0409A5L



T0409A5XL



003 : Front/Back Image - Flow in Elastic GP10188 Exposed Elastic Brief



001 : Front/Back Image - Boys Ctn Knit Rib ExpWB

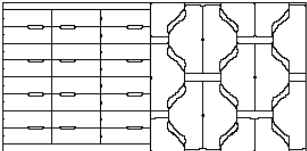


001 : Front/Back Image - Boys Ctn Knit Rib ExpWB

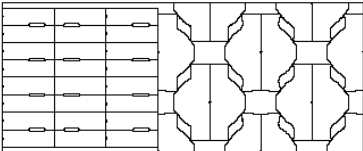


005 : Marker Layout - T0409A-60 FT,BK-31

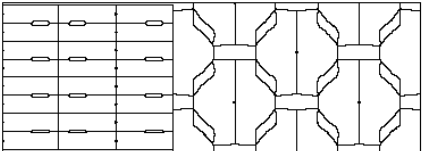
T0409A4XS

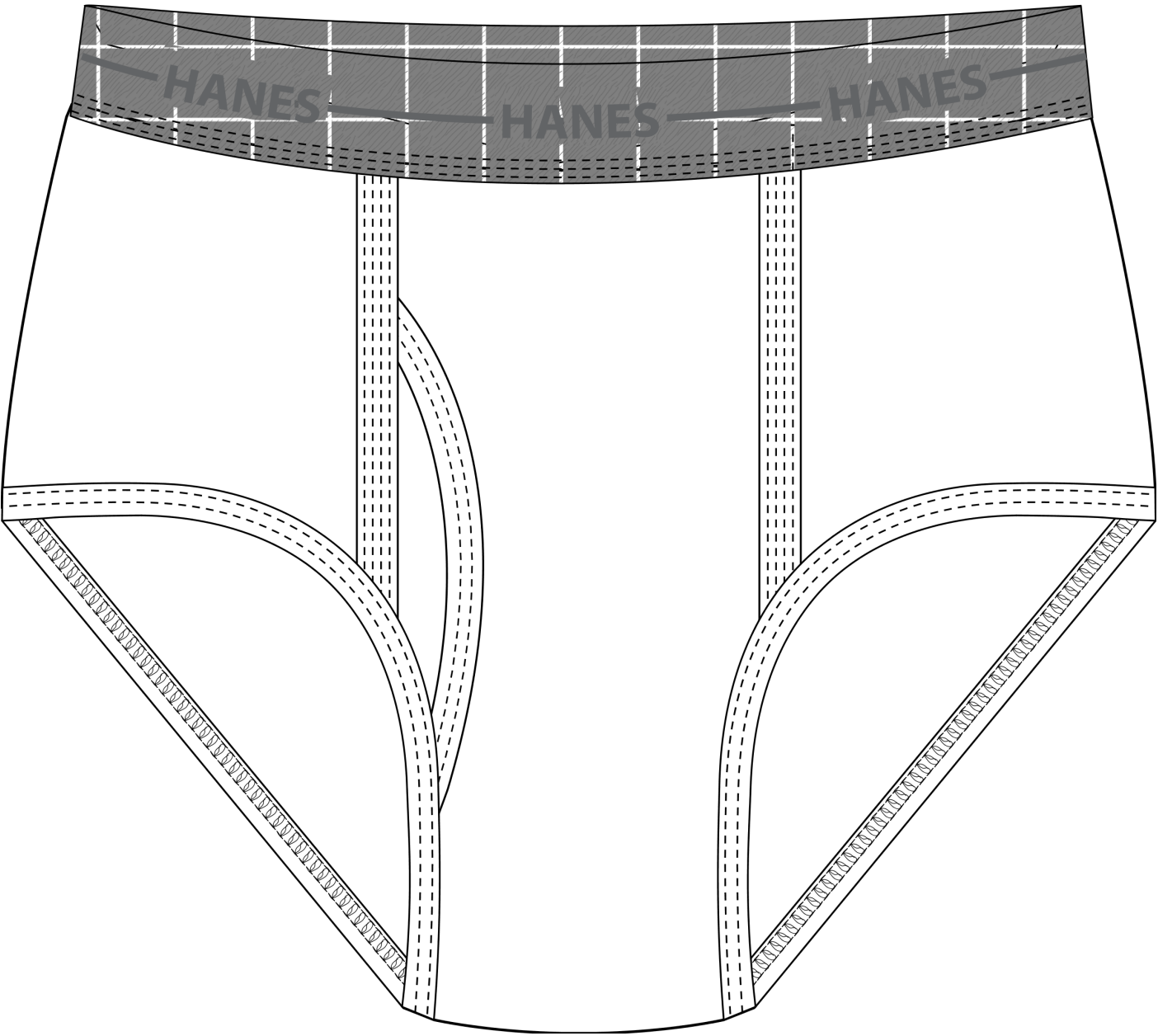


T0409A4S



T0409A4M





007 : Pattern Information - T0409A

CAD Storage:

Variant Screenshot: UW-Youth

T0409A - ModarisV6R1

T0409A 5/5 Articles


Sprd/Graphics

Variant

Piece Article

Export/Print

Links

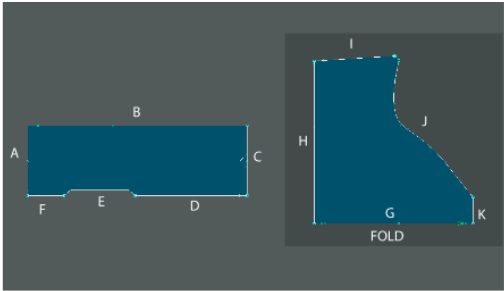


	Piece name	S	BK	EV	fabric	Fab. cat.	Message	acd	comment	sym.
1	T0409BFT	0	2	0	1	1	S13	FT	8% x 5% shrink allow	0
3	T0409BKK	0	1	0	1	1	S13	BK	Boys Brief Exp Elas. 04-30-12	0
2	T0409BKE	0	1	0	5	1	S13	EKF	sample use	0
4	T0409BFT	0	1	0	2	1	R0P	FT	8% x 5% shrink allow	0
5	T0409BKK	1	0	0	2	1	R0P	BK	Boys Brief Exp Elas. 04-30-12	0

Pattern Allowances:

- Fly Length -1/8
- Fly Position -1/4
- Trim- Straight Cut - Fly and Panel Tubing
- Leg Opening 98%
- Crotch Width -3/8
- Trim- Bias Cut - Leg Binding

002 : Measurements - T0409A PMEAS



=Seasonal Sizes

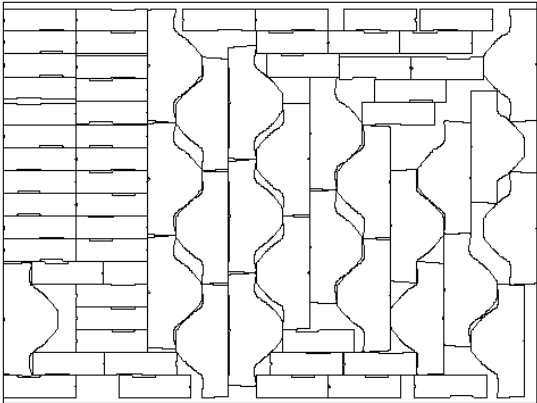
Piece Name:	Pcs Per Gmt:	Name	XS	S	M	L	XL	2X
T0409AFT	2	A	3"16	3"20	3"24	4"	4" 8	4"12
		B	10"10	10"26	11"26	12"22	13"14	14" 3
		C	3"16	3"20	3"24	4"	4" 8	4"12
		D	5" 9	5"13	6" 1	6" 1	6" 1	6" 5
		E	3"18	3"27	4" 2	4"27	5"18	6" 2
		F	1"23	1"27	1"31	2" 3	2" 3	2" 3
T0409ABK	1	G	7" 1	7"17	8"17	9"13	10" 5	10"25
		H	6"31	7"29	8"23	9"23	10"21	11" 5
		I	3"19	3"27	4"11	4"19	4"23	4"27
		J	7" 2	8"	9" 2	10" 8	11"15	12" 6
		K	1" 9	1"10	1"13	1"18	1"22	1"24

Note: All measurements are displayed in 32nds. Please refer to FlexPLM User Training Manual-PRODUCT SPECIFICATIONS for conversion chart.

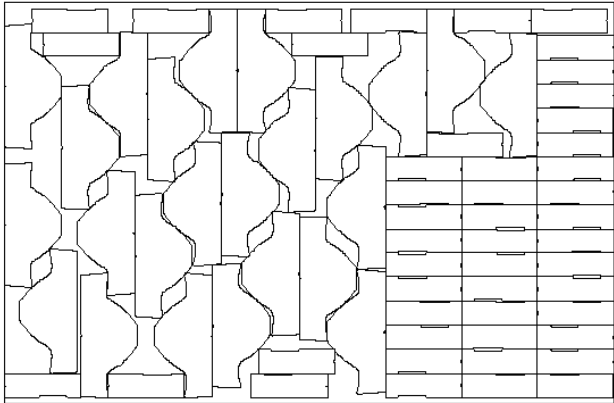


004 : Marker Layout - T0409A-60 FT,BK-70.5

T0409A2L



T0409A2XL



003 : Front/Back Image - Flow in Elastic GP10188 Exposed Elastic Brief

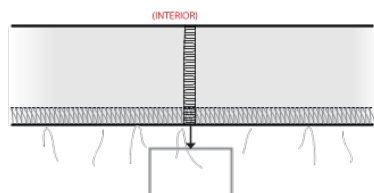
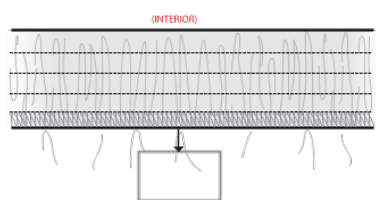


## 005 : Placement Details - LP016: Fitted UW Inside Waist (no CB seam)

LP006: Inside Waist (no CB seam)

Placement Finished Garment: Centered on Back; 1/2" Down From Stitch/Seam

*Placements are to the center/highest point of the design*

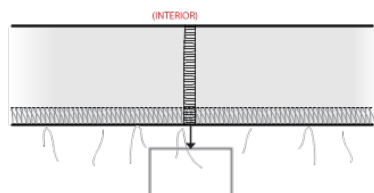
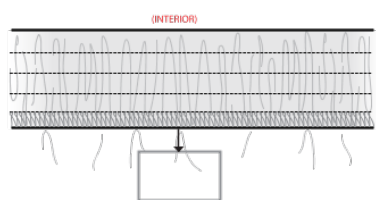


## 005 : Placement Details - LP016: Fitted UW Inside Waist (no CB seam)

LP006: Inside Waist (no CB seam)

Placement Finished Garment: Centered on Back; 1/2" Down From Stitch/Seam

*Placements are to the center/highest point of the design*



007 : Pattern Information - T0409A

CAD Storage:

Variant Screenshot: UW-Youth

T0409A - ModarisV6R1

T0409A 5/5 Articles


Sprd/Graphics

Variant

Piece Article

Export/Print

Links



	Piece name	S	BK	EV	fabric	Fab. cat.	Message	acd	comment	sym.
1	T0409BFT	0	2	0	1	1	S13	FT	8% x 5% shrink allow	0
3	T0409BKK	0	1	0	1	1	S13	BK	Boys Brief Exp Elas. 04-30-12	0
2	T0409BKE	0	1	0	5	1	S13	EKF	sample use	0
4	T0409BFT	0	1	0	2	1	R0P	FT	8% x 5% shrink allow	0
5	T0409BKK	1	0	0	2	1	R0P	BK	Boys Brief Exp Elas. 04-30-12	0

Pattern Allowances:

- Fly Length -1/8
- Fly Position -1/4
- Trim- Straight Cut - Fly and Panel Tubing
- Leg Opening 98%
- Crotch Width -3/8
- Trim- Bias Cut - Leg Binding

